	A *	EA En	gineering,	Scienc	ce,				Client: Montgomery			Location: Gude Landfill	
EA Engineeri	ing, Science		Technolog	y, Inc.				Drilling Method:	Hollow Ste Air Rotary	m Auger		Boring No. MW-1	
Coordina		LO	G OF SOI	L/ROC	CK BORI	NG		Sampling Met		Split Spoons		Sheet 1 of	2
Surface		ո:					•		Continuous	S Opiit Opooris			ling
Casing E	Below Su	rface:					-	Water Level				Start	Finish
Reference		ion:					-	Time	-				
Reference							-	Date Reference				1314 6/3/10	1440 6/4/10
Sample		Dpth.	Sample	PID	Blows	Depth	USCS	Surface Cond	itions:	Topsoil			
	Drvn/In. Recvrd	Csg.	No.	ppm	per 6 in.	in Feet	Log						
	Necviu				2	1 001	SM	0-4" Dark brov	vn fine SII T	Y SAND (tops	oil) Dense	dry well so	orted
0-2	24/11			0.0	2	1	SP	4-11" Moderat					
					3			Dense, dry, w	ell sorted.				
					3	2	SP	0-20" Moderat	to vollowich	brown fine SA	ND little or	oarea cand o	and cilt
2-4	24/20			0.0	3	3	35	Dense, dry, w		brown line SA	ind, iitile ci	Daise Sailu a	ariu Siit.
					4			, , , , , , , , , , , , , , , , , , ,					
					5	4	0.0	0.40 1:14		C OAND III			***
4-6	24/16			0.0	3	5	SP	0-16" Light red Dense, dry, w		fine SAND, lit	tle coarse s	sand, trace s	silt.
4-0	24/10			0.0	4	5	1	Derise, dry, w	eli sorteu.				
					3	6	1						
					3		SM	0-20" Yellowis	sh brown ver	y fine SAND a	and SILT, li	ttle clay. Der	nse, dry,
6-8	24/20			0.0	4	7		well sorted.					
					3	8							
					2	Ŭ	SP	0-22" Yellowis	sh brown ver	y fine SAND,	little silt. De	ense. Slightly	/ moist
8-10	24/22			0.0	4	9	1	well sorted.		•		<u> </u>	
					3	4.0							
					3	10	SP	0-19" Brownis	h vollow vor	v fine SAND	como cilt li	ttle cooree c	and/
10-12	24/19			0.0	3	11	SF	saprolite. Den					allu/
10 12	21,10			0.0	3		1	capronto: Borr	oo, ongmay i	Holot, Hlodora	toly won oo	itou.	
					10	12							
40.44	04/00			0.0	5	40	SM	0-7" Brownish	yellow very	fine SAND ar	nd SILT, littl	le clay. Dens	se, dry,
12-14	24/23			0.0	11 14	13	SP	well sorted. 7-23" Yellowis	h red fine S	AND little silt	and sanrol	ita Dense d	lry well
					12	14	0.	sorted.	ni ica iiiic O	7 (1 VD, IIIIC 3III	ana saproi	ito. Delise, e	iry, wen
			Gude-MW1B		4		ML	0-5" Brownish					
14-16	24/24		SO-14-16	0.0	6	15	SP	5-24" Red me	dium to coa	rse SAND/SAI	PROLITE. I	Dense, dry, v	well
					12 12	16		sorted.					
					14	16	SP	0-15" Yellowis	sh red fine to	medium SAN	ID little silt	Dense dry	well
16-18	24/15			0.0	25	17		sorted.	100 IIII0 IC	, modium oan	, maio ont	. <i>D</i> 01130, dry	, 17011
					50/5]						
						18	, <i></i>	0.011.)(11 : :		NDV O'' T D		.0	
18-20	24/19			0.0	11 27	19	ML SP	0-8" Yellowish 8-19" Light ye					sand
10-20	Z4/18			0.0	50/5	19	35	Dense, dry, w		m me to meal	uiii SAND,	nuie coarse	saliu.
						20		, , ,					

Driller:

6/3/2010-6/4/2010

Chad Chism

Logged by:

Drilling Contractor:

Joseph Sawicki

	■ ®							,	Job. No.	Client:			Location:	
	$\boldsymbol{\Lambda}$		gineering							Montgomery			Gude Landfill	
j		and	Technolo	gy, In	c.					Hollow Ster	m Auger		Boring No.	
EA Engineer and Technol	ing, Science),								Air Rotary			MW-1	
		LC	G OF S	OIL/R	оск во	RING			Sampling Meth	nod:				
Coordina										Continuous	Split Spoons	3	Sheet 2 of	2
Surface	Elevatior	า:											Dril	ling
Casing E	Below Su	rface:							Water Level				Start	Finish
Reference	ce Elevat	tion:							Time	-				
Reference	ce Desc:								Date				1314	1440
									Reference				6/3/10	6/4/10
Sample			Sample		Blows	Depth			Surface Condi	tions:	Topsoil			
	Drvn/In.	Csg.	No.	ppm	per	in	Lo	g						
	Recvrd				6 in.	Feet					0.11.15		.,	
00.00	0.4/4.0			0.0	12	0.4	SF		0-18" Brown fi		m SAND, little	e coarse sa	nd/saprolite.	Dense,
20-22	24/18			0.0	25	21			dry, well sorted	d				
					35 42	22		-						
				-	10	22	SF	_D	0-17" Dark yel	lowish brow	n fine SAND	little coarso	a bac bace	ilt Vary
22-24	24/17			0.0	19	23			dense, dry, we		IT TITLE SAIND,	iittie Coarse	sanu anu s	iit. Very
22-24	24/11			0.0	50/5	23		F	derise, dry, we	iii sortea.				
					00/0	24		ŀ						
					9		SF	Р	0-10" Light bro	wn fine SAI	ND. some silt	. Dense. drv	, well sorted	l.
24-26	24/24			0.0	11	25	SF	Р	10-24" Light ye	ellowish bro	wn fine to me	dium SAND	, some coar	se sand.
					14				Dense, dry, we				•	
					16	26								
					31		SF	Ρ	0-13" Dark yel	lowish brow	n fine SAND.	Very dense	e, dry, well so	orted.
26-28	24/13			0.0	50/5	27								
					0.5	28	— "	_	0.00 1.1.1.1.1			A N I D N /		
00.00	0.4/00			0.0	25	00	SF	۲ [0-22" Light yel	lowish brow	n very fine S	AND. Very o	dense, dry, v	ell sorted.
28-30	24/22			0.0	36 50/5	29		-						
					30/3	30		ŀ	Split Spoon Sa	ampling Disc	continued-30	Foot		
						30			ори ороби оа	ampling Disc	continueu-so	1 661		
						40		ŀ	Rock					
								F	rtock					
						50		ŀ						
								ı						
						60		ſ						
								ſ						
						70								
						80								
						00		ŀ						
						90		-	End of Poring	OO E foot				
						100		ŀ	End of Boring	eo.o ieel				
				\vdash		100		ŀ						
						110		ŀ						
						٠,٠٠		ŀ						
						120	_	ŀ						
								ľ						
						130		ľ						
						140			Note: Depth S	cale Change	es to 10-foot	ntervals at	30 feet	<u> </u>

Driller:

6/3/2010-6/4/2010

Chad Chism

Logged by:

Drilling Contractor:

Joseph Sawicki

	● ®									Client:			Location:	
			gineering, S		٠,					Montgomery	•		Gude Landfill	
			Technology,	Inc.						Hollow Ste	m Auger		Boring No.	
EA Engineer and Technol	ing, Science ogy, Inc.	·,	0.05.001	/DOO!	/ DODIN	10				Air Rotary			MW-2A	
Coordina	ntoc:	LO	G OF SOIL	ROCE	ROKIN	NG			Sampling Met		s Split Spoons	,	Sheet 1 of	2
Surface		n·								Continuou	s Spiit Spooris)	Drill	
Casing E									Water Level				Start	Finish
Referen									Time	_			Start	ГШЫ
Referen									Date				0828	0915
		•							Reference				6/8/10	6/9/10
Sample	Inches	Dpth.	Sample	PID	Blows	Depth	Į	JSCS	Surface Condi	itions:	Topsoil		-	
	Drvn/In.		No.	ppm	per	in		Log			•			
	Recvrd	_			6 in.	Feet								
					2			SM	0-4" Dark brov					
0-2	24/17			0.0	3	1		ML	4-17" Medium	brown SIL	T, trace fine sa	and and cl	ay. Dense, d	ry,
					3				well sorted.					
					3	2		N 41	0 04" Daddiah	Lucius CII	T :44 = = m . 4:.			ما المصلام الم
2-4	24/24			0.0	5 8	3	-	ML	0-24" Reddish	Drown SIL	i, little very li	ie sand. D	ense, ary, we	eli sorted.
2-4	24/24			0.0	11	3								
					12	4								
					4	•		SP	0-22" Light red	ddish browr	n fine SAND, s	ome silt, t	race coarse s	sand.
4-6	24/22			0.0	4	5			Dense, dry, we		,	, , , , , , , , , , , , , , , , , , ,		
					6				•					
					10	6								
0.0	0.4/47			0.0	6	_		SP	0-17" Pale yel	lowish brov	vn very fine SA	AND, some	e silt. Dense,	dry, well
6-8	24/17			0.0	9	7			sorted.					
					9 11	8	-							
					4	O		SM	0-23" Light red	ddish brown	very fine SII	TY SAND	Dense dry	well
8-10	24/23			0.0	6	9		O.V.	sorted.	adion brown	T VOLY IIIIO CIL	110/110.	Dones, ary,	WOII
					8									
					8	10								
					12			ML	0-6" Reddish b	brown SILT	, little fine san	d, trace cla	ay. Dense, di	y, well
10-12	24/19			0.0	26	11			sorted.		<i></i>			
					29	40	-	SP	6-19" Reddish			ittle silt. Ve	ery dense, pa	rtially
			Od- 1514/04		14 3	12	\blacksquare	SM	consolidated, 0-24" Light yel			II TV QANII) Vary done	o dry
12-14	24/24		Gude-MW2A SO-12-14	0.0	4	13		Sivi	well sorted.	IIOWISII DIO	wii very iiile S	ILI I SANI	J. VELY UELIS	c, ury,
	<u> </u>		00 12-14	0.0	7				on contou.					
					17	14								
					7			SM	0-16" Moderat			ne SILTY S	SAND. Very	dense,
14-16	17/16			0.0	26	15			slightly dense,	, well sorted	d			
					50/5									
					25	16		CD	0 O" Dele velle			VID	-:	
16 19	11/9			0.0	35 50/5	17		SP	0-9" Pale yellowell sorted.	owish drowi	i very line SAI	ND, some	siit. Very der	ise, ary,
16-18	11/9			0.0	30/3	17	\blacksquare		well solleu.					
						18								
					19			SP	0-16" Moderat	te yellowish	brown very fi	ne SAND,	some silt. Ve	ry dense.
18-20	11/16			0.0	50/5	19			partially conso			,		, ,
											-		-	
						20								

Driller:

6/8/2010-6/9/2010

Chad Chism

Logged by:

Drilling Contractor:

Joseph Sawicki

	8	- · -		<u>.</u>					Job. No.	Client:	_		Location:	
	$ \wedge $		gineering							Montgomery			Gude Landfill	
			Technolo	gy, In	c.				Drilling Method:		m Auger		Boring No.	
EA Engineer and Technol	ing, Science ogy, Inc.	2,								Air Rotary			MW-2A	
		LC	G OF S	OIL/R	оск во	RING			Sampling Meth	nod:	0.11.0		01 0 1	
Coordina										Continuous	Split Spoons	3	Sheet 2 of	2
Surface												_		lling
Casing E									Water Level				Start	Finish
Reference		tion:							Time	-				
Reference	ce Desc:						_		Date Reference				0828 6/8/10	0915 6/9/10
Sample			Sample	PID	Blows	Depth	U	ISCS	Surface Condi	tions:	Topsoil			
	Drvn/In.		No.	ppm	per	in		Log						
	Recvrd				6 in.	Feet								
					19			SP	0-19" Moderat			ne SAND, s	ome silt. Vei	ry dense,
20-22	19/19			0.0	35	21			partially conso	lidated, dry,	well sorted.			
					50/5									
						22								
					15			SP	0-18" Moderat	e yellowish	brown very fii	ne to mediu	m SAND, so	me silt.
22-24	17/18			0.0	34	23			Very dense, pa	artially cons	olidated, dry,	well sorted		
					50/5	_ ,								
					20	24	_	ML	0.7" Dorlehar	un CII T I:44	o von tino	nd \/a=: d=	المامالة ممم	moint
24.26	0/11			0.0	28 50/2	25		IVIL	0-7" Dark brov well sorted.	vn Sili, litti	e very fine sa	na. very ae	ense, siigntiy	moist,
24-26	8/11			0.0	50/2	25	-		weii sorted. 7-11" Pale yeli	lowich brow	n woatharad	SVNDSTON	JE Von den	000
					1	26	-		partially consc	lidated day	well corted	SAIND S I OI	ı⊏. very der	15E,
						20	-		Split Spoon Sa	amnling Die	nontinued-26	feet		
						27			Opiit Option 3	ampling DISC	50111111111111111111111111111111111111	1001		
						- '	\dashv							
						28			Rock					
						29								
						30								
						40								
						50								
						60								
						7.0	_							
						70	_		End of Daris =	75 Ecct				
						80	_		End of Boring	-10 Feet				
					1	80	-							
						90	-							
						90	-							
						100	-							
						,00	-							
						110								
						, , ,								
						120								
						130								
						140			Note: Depth so	cale change	s to 10-foot ir	ntervals at 3	0 feet	

Driller:

6/8/2010-6/9/2010

Chad Chism

Logged by:

Drilling Contractor:

Joseph Sawicki

	8			٠.				Job. No.	Client:			Location:	
			gineering,		•				Montgomery	·		Gude Landfill	
EA Engineer	ring, Science		Technolog	gy, Inc				Drilling Method:	Hollow Ster Air Rotary	m Auger		Boring No. MW-2B	
and Technol	logy, Inc.		G OF SO	III /PO	CK BOP	ING		Sampling Meth				IVIVV-∠B	
Coordina	ates:	LC	.G OF 30	IL/KU		MG		Sampling well		Split Spoons	3	Sheet 1 of	2
Surface		า:					•				-		lling
Casing E								Water Level				Start	Finish
Reference							•	Time	-			<u> </u>	
Reference	ce Desc:						•	Date				1400	1320
								Reference				6/9/10	6/17/10
Sample		Dpth.	Sample		Blows	Depth	USCS	Surface Condi	tions:	Topsoil			
	Drvn/In.	Csg.	No.	ppm	per	in	Log						
	Recvrd				6 in.	Feet	011						
0-2	24/9			0.0	2	4	SM	0-6" Dark brow		SILTY SAND,	some roots	and organic	matter.
0-2	24/9			0.0	3	1	SM	Loose, dry, we 6-9" Yellowish		fine SAND a	nd SILT Ma	adoratoly do	200
					4	2	Sivi	dry, well sorted		IIIIE SAND a	IIU SILT. IVIC	derately der	ise,
					5		ML	0-15" Light red		verv fine SAN	NDY SILT. F	Dense, drv. v	vell
2-4	24/15			0.0	6	3		sorted.					
					9								
					9	4							
					6	_	ML	0-17" Light red	ldish brown	very fine SAN	NDY SILT. \	/ery dense,	dry, well
4-6	24/17			0.0	9	5		sorted.					
					9 10	6							
					6	0	ML	0-8" Light redo	lish hrown v	ery fine SANI	DV SILT V	ery dense d	rv well
6-8	24/13			0.0	10	7	IVIL	sorted.	IISII DIOWII V	Cry line O/ (14)	DI OILI. V	ory derise, d	ry, wen
- 0 0	2 17 10			0.0	14	,	SP	8-13 Yellowish	brown verv	fine SAND.	some silt. D	ense. drv. w	ell sorted.
					15	8				,		, - ,,	
					6		ML	0-8" Reddish y	ellow browr	n SILT, little v	ery fine san	d. Very dens	se, dry,
8-10	24/18			0.0	10	9		well sorted.					
					29	4.0	SP	8-18" Reddish	yellow brow	vn very fine S	AND, little s	silt. Very den	se, dry,
					31	10	N 41	well sorted. 0-9" Light redo	المال المالية	on the CAN	DV CILT 1:44	No alay Mam	, danaa
10-12	24/23			0.0	8 10	11	ML	dry, well sorted		ery line SAIN	DY SILT, IIII	ile clay. very	dense,
10-12	24/23			0.0	17	' '	SP	9-23" Reddish		vn verv fine S	AND little s	silt_trace_cla	v Verv
					19	12]	dense, dry, we		1013 11110 0	1D, IIIIO C	,	j. v O. y
			Gude-MW2B		4		SM	0-18" Light rec		very fine SIL	TY SAND, t	race clay. Ve	ery
12-14	24/18		SO-14-16	0.0	8	13		dense, dry, we		•			
					13								
					15	14	0	0.00111				, ,	
1110	04/00			0.0	5	4.5	SM	0-20" Light red	aish brown	very fine SIL	IY SAND. \	ery dense,	ary, well
14-16	24/20			0.0		15		sorted.					
					23 30	16							
					13	10	SP	0-5" Dark redd	lish brown v	ery fine SANI	D. some silt	Very dense	e. drv.
16-18	11/5			0.0	50/5	17	J	well sorted.	IIOII DIOWII V	5. y 11115 57 (1VI	ا الد عادات عاد الدين الدي	. vory dorise	, u.y,
						18							
					12		SP	0-20" Rusty Re			silt. Very d	ense, partial	ly
18-20	17/20			0.0	29	19		consolidated, o	dry, well sor	ted.			
					50/5	00							
						20							

Driller:

6/9/2010-6/17/2010

Chad Chism

Logged by:

Drilling Contractor:

Joseph Sawicki

	8							ŀ		Client:			Location:	
			gineering					ŀ		Montgomery			Gude Landfill	
			Technolo	gy, In	c.			ŀ	Drilling Method:	Hollow Ster	m Auger		Boring No.	
EA Engineeri and Technol	ing, Science	∍,						ŀ		Air Rotary			MW-2B	
		LC	G OF S	OIL/R	оск во	RING			Sampling Meth	hod:				
Coordina								ŀ		Continuous	Split Spoons		Sheet 2 of	2
Surface I	Elevatior	า:						ŀ					Dri	lling
Casing B	elow Su	rface:						ŀ	Water Level				Start	Finish
Reference	e Elevat	tion:						ŀ	Time	-				
Reference	e Desc:							ŀ	Date				1400	1320
									Reference				6/9/10	6/17/10
Sample			Sample		Blows	Depth			Surface Condi	tions:	Topsoil			
	Drvn/In.	Csg.	No.	ppm	per	in		Log						
	Recvrd			لـــــا	6 in.	Feet								
					10	1	Ш	SM	0-9" Reddish b	prown very f	ine SILTY SAI	ND. Dense	, dry, well so	rted.
20-22	17/21			0.0	29	21	Ш	ŀ	9-21" Rock					
			لــــــــا		50/5	1 B	Ш		Split Spoon Sa	ampling Disc	continued- 21	teet		
	 		 	 	 	22	Щ		Doct					
	!		1]	 	22	Щ		Rock					
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	!		1]		140			Note: Depth S	cale Change	es to 10-foot li	ntervals at	30 feet.	
			-											

Driller:

6/9/2010-6/17/2010

Chad Chism

Logged by:

Drilling Contractor:

Joseph Sawicki

									Job. No.	Client:			Location:	
	6 8	E∧ E∽	ainoorina C	Sciona	_						County DED			
			gineering, S		ᠸ,					Montgomery			Gude Landfill	
EA Engineer	ing, Science	9,	Technology							Hollow Ste	em Auger		Boring No. MW-3A	
		LO	G OF SOIL	_/ROC	K BORII	NG			Sampling Met	hod:				
Coordina										Continuou	s Split Spoons		Sheet 1 of	2
Surface I	Elevation	า:											Dri	lling
Casing E	elow Su	rface:							Water Level				Start	Finish
Reference	e Elevat	tion:							Time	-				
Reference	e Desc:								Date				0805	0915
									Reference				6/18/10	6/18/10
Sample	Inches	Dpth.	Sample	PID	Blows	Depth		USCS	Surface Condi	itions:	Topsoil			
	Drvn/In.		No.	ppm	per	in		Log			•			
	Recvrd				6 in.	Feet		•						
			Gude-MW3A		4			SM	0-3" Dark brov	vn topsoil. f	ine SILTY SAN	D. Dense.	moist, well	sorted.
0-2	12/12		SO-0-2	1.5	5	1		SM	3-12" Moderat	e vellowish	brown fine SIL	TY SAND.	Dense, moi	st,
	-				Rock				well sorted. Br					,
						2								
					4			ML	0-8" Moderate	vellowish b	rown SILT, sor	ne verv fin	e sand. Den	ise.
2-4	24/24			0.7	3	3			moist, well so		,			,
	-				4			ML			SILT, some fin	e sand, tra	ace cobbles.	Dense.
					4	4			moist, well so					,
					4	-		SM			brown SILTY S	SAND, trac	e cobbles. D	Dense.
4-6	24/20			0.0	5	5		•	moist, well so			,,,		,
. 0	0			0.0	7	Ŭ								
					8	6								
					6	Ŭ		SM	0-13" Moderat	e vellowish	brown SILTY S	SAND, trac	e cobbles. F	Dense.
6-8	24/13			0.0	7	7		O.V.	moist, well so		DIOWII CILIT	,D,ac	.0 0000100. 2	701100,
- 0 0	2-1/10			0.0	8	•			moiot, won ooi	itou.				
					7	8								
					4	Ŭ		SM	0-16" Moderat	e vellowish	brown fine to n	nedium SII	TY SAND	trace
8-10	24/16			0.3	6	9		Civi			oderately well s		ETT OTTIVE,	11400
0.10	2 17 10			0.0	6	Ŭ			0000100. Done	, , , , , , , , , , , , , , , , , , , ,	odoratory won c	Jortou.		
					7	10								
					2			SM	0-17" Moderat	e vellowish	brown fine to n	nedium SII	TY SAND	trace
10-12	24/17			1.4	3	11		O.V.			st, moderately			
10 12	2-1/11				4				CODDICO. DONC	oc, very mer	ot, moderatory	Won dortoc		
					6	12	\vdash							
					2	12	\vdash	SP	0-18" Moderat	e vellowish	brown fine SAI	VD. little si	ilt, trace cob	bles.
12-14	24/18			0.2	2	13	\vdash	٥.	Dense, wet, w		2.011111110 0/11	,	,	
12 17	2 1/10			J.2	2		H		_ 0.100, WOL, W	J., JOI 104.				
					2	14	\vdash							
					7			SP	0-18 Moderate	e vellowish	brown fine to m	edium SA	ND. little silt	trace
14-16	24/18			0.0	9	15		٥.			erately well sorte		,	
	2 :, 10			0.0	9				3.4101. DOI 100	,,		· · · · · · · · · · · · · · · · · · ·		
					9	16	\vdash							
					10	10	\vdash	ML	0-7" Pale vello	wish hrowr	medium to coa	arse SANF	Y SILT Mo	derately
16-18	24/19			0.2	23	17			dense, very w			2.00 J/ \ \\L	. 0.21.100	Loidioiy
10 10	2 17 13			U.2	33	''		SP			n medium to fir	ne SAND	some silt tra	ace
					50/5	18		O1	gravel. Very d			.5 C/ ((4D,	Joine Siit, tie	
					43	.5		SP			brown very fine	SAND li	ttle silt. Verv	dense
18-20	10/10			0.0	50/4	19	\vdash	O1	dry, well sorte		S.OWII VOI y IIII	J J, 11 4D, 11	and one. Vory	aoi 100,
10 20	10/10			0.0	00/7	13	\vdash		ary, won some	٠.				
						20	\vdash							
						20	\vdash							

Driller:

06/18/2010

Chad Chism

Logged by:

Drilling Contractor:

Joseph Sawicki

									Job. No.	Client:			Location:	
	A ®	EA En	gineering	ı. Scie	nce.					Montgomery	County DEP		Gude Landfill	
			Technolo						Drilling Method:				Boring No.	
EA Engineer and Technol	ing, Science		. 55.111010	יייי ינפי	~-				Z.ming Would.	Air Rotary			MW-3A	
		LC	G OF S	OIL/R	оск во	RING			Sampling Met	hod:				
Coordina	ates:									Continuous	Split Spoons		Sheet 2 of	2
Surface														lling
Casing E									Water Level				Start	Finish
Reference		tion:							Time	-				
Reference	ce Desc:								Date				0805	0915
Sample	Inches	Dnth	Sample	חום	Blows	Depth	П	HSCS	Reference Surface Condi	tions:	Topsoil	I	6/18/10	6/18/10
Type	Drvn/In.	Csa.	No.	ppm	per	in		Log	Surface Cofful	uuio.	ι υμουΙΙ			
	Recvrd	loog.	110.	PP···	6 in.	Feet		Log						
					19			SP	0-3" Pale yello	wish brown	verv fine SAN	ND. little me	edium to coa	rse sand.
20-22	11/3			0.0	50/5	21			silt, and large	cobbles. Ve	ry dense, part	ially consol	lidated, dry,	poorly
									sorted.		•	•		
						22								
00.04	44/44			0.0	33	00		SP	0-11" Pale yel					e sand.
22-24	11/11			0.0	50/5	23			Very dense, p	artially cons	olidated, dry,	moderately	well sorted.	
						24								
					50/3	24		SP	0-3" Pale yello	wish brown	fine SAND ar	nd rock frag	ments. Verv	dense.
24-26	3/3			0.0	00,0	25		О.	dry, moderate	ly well sorte	d.			<u>uooo,</u>
									End of Boring	- 25 feet				
						26								
						27								
						28								
						20								
						29								
						30								
						31								
						32								
						32								
						33								
						34								
						35								
						20								
						36								
						37								
						57								
						38								
						39								
						40								
						11								
						41								

Driller:

06/18/2010

Chad Chism

Logged by:

Drilling Contractor:

Joseph Sawicki

									Job. No.	Client:			Location:	
	A ®	FΔ En	gineering,	Scien	CA					Montgomery	County DEP		Gude Landfill	
			0		-									
EA Engineeri	ing Science		Technolog	y, iric.					Drilling Method:	Hollow Ster Air Rotary	n Auger		Boring No. MW-3B	
and Technol	ogy, Inc.		G OF SO	II /P (CK DOD	ING			Sampling Meth				WW-3B	
Coordina	ites.	LO	G OF 30	IL/KU	CK BOK	ING			Sampling Meti		Split Spoons		Sheet 1 of	2
Surface I										Continuous	Ори Ороонз			ling
									Water Level				Start	Finish
Casing E Reference									Time	_			Start	FILIISH
Reference		1011.							Date	-			1210	1250
TOOLOGO	ю Бозо.	•							Reference				6/18/10	6/22/10
Sample	Inches	Dpth.	Sample	PID	Blows	Depth	П	JSCS	Surface Condi	tions:	Topsoil		0, 10, 10	0,, . 0
	Drvn/In.		No.	ppm	per	in		Log	Carrace Corrai	110110.	Горооп			
	Recvrd	oog.		ρρ	6 in.	Feet		_09						
					6			ML	0-6" Topsoil, N	/loderate bro	own SII T. little	fine sand	and organics	s. Dense.
0-2	24/11			0.5	5	1			moist, well sor		Will GILT, marc	mio cana	and organic	<i>5. B</i> 6.166,
	,				3	•		SM	6-11" Light gra		fine SILTY SA	ND. little n	nedium to co	arse sand.
					3	2			trace cobbles.					,
					2			ML	0-16" Moderat					st,
2-4	24/16			0.2	3	3			well sorted.					
					5									
					5	4								
					3			SM	0-18" Pale yell			SAND, little	coarse sand	and
4-6	24/18			0.0	4	5			gravel. Very de	ense, moist,	well sorted.			
					4									
					6	6		CD.	0.47" Madanat			ND		
6-8	24/17			0.2	<u>8</u> 9	7		SP	0-17" Moderat				coarse sano	, gravei,
0-0	24/17			0.2	9	′			and silt. Very o	aerise, siigrii	ily moist, poor	iy sorted.		
					11	8								
					3	<u> </u>		SM	0-13" Moderat	e vellowish	brown very fin	e SILTY S	AND Dense	
8-10	24/17			0.0	5	9		_	slightly moist,		Stown vory in	0 01211 07	THE BOTTOO	,
					4				13-17" Modera		brown fine S	ILTY SAND), little coars	e sand
					5	10			and gravel. De				•	
					6			SM	0-15" Dark yel	lowish brow	n fine SILTY S	SAND, som	e coarse sa	nd and
10-12	24/15			0.1	8	11			gravel, trace la	arge cobbles	s. Dense, very	moist, poo	rly sorted.	
					9									
					9	12								
40.44	0.4/00		Gude-MW3B	o =	4	4.0		ML	0-10" Moderat		brown SILT, s	ome fine to	medium sa	nd.
12-14	24/20		SO-12-14	0.7	7 9	13		SP	Dense, moist,		un fino CAND	come silt	little ecores	cond and
			DUP 2		12	1.1		3 P	10-20" Pale ye					sanu and
					7	14		SM	gravel. Dense, 0-8" Moderate					Dense
14-16	24/20			0.0	-	15			moist, well sor		IOWIT IIIIE OIL	I OAND, I	race graver.	Derise,
17 10	2-1/20			0.0	9				8-20" Pale yell		n very fine SA	ND little si	lt Dense m	oist
					7	16		•	well sorted.	DIOWI		, 01	= 0.100, 111	,
					17			SP	0-20" Pale yell	lowish browi	n very fine SA	ND, little si	lt. Dense, w	et, well
16-18	24/20			0.3	19	17			sorted.		,	,	,	
					27									
					27	18								
					32			SP	0-10" Pale yell	owish browi	n very fine SA	ND, little si	lt. Dense, we	et, well
18-20	11/10			0.0	50/5	19			sorted.					
						20			0.11.0			•		
									Split Spoon Sa	ampling Disc	continued- 20	reet		

Driller:

6/18/2010-6/22/10

Chad Chism

Logged by:

Drilling Contractor:

Joseph Sawicki

									Job. No.	Client:			Location:	
		EA En	gineering,	Scien	ce.					Montgomery	County DEP		Gude Landfill	
			Technolog						Drilling Method:				Boring No.	
EA Engineer and Technol	ing, Science			,,,					<u> </u>	Air Rotary	- 3		MW-3B	
		LO	G OF SO	IL/RO	CK BOR	ING			Sampling Met	hod:				
Coordina										Continuous	Split Spoons		Sheet 2 of	2
Surface	Elevation	า:											Dri	lling
Casing E	Below Su	rface:							Water Level				Start	Finish
Reference	ce Elevat	tion:							Time	-				
Reference	ce Desc:								Date				1210	1250
									Reference				6/18/10	6/22/10
Sample	Inches	Dpth.	Sample		Blows	Depth			Surface Cond	itions:	Topsoil	•	_	
Type	Drvn/In.	Csg.	No.	ppm	per	in		Log						
	Recvrd				6 in.	Feet								
						00			Note: Depth S	scale Chang	es to 10-foot li	ntervals at 2	20 feet.	
						20	\vdash							
						30	Н							
	-					30	\vdash		Rock					
						40			NOCK					
						70	Н							
						50								
						60								
						70								
						0.0								
						80								
						90								
						50								
						100			End of Boring	- 96 feet				
									<u> </u>					
						110								
						120								
						400								
						130	Н							
						140	\vdash							
						140	H							
						150	Н							
							П							
						160								
						170	Ш							
						400	Ш							
						180	Н							
						190	Н							
						190	\vdash							
						200	\vdash							
						_00	Н							
						210	П							
						220								

Driller:

6/18/2010-6/22/10

Chad Chism

Logged by:

Drilling Contractor:

Joseph Sawicki

	8							Job. No.	Client:			Location:	
			gineering						Montgomery			Gude Landfill	
EA Engineer	ing, Science	,	Technolo					Drilling Method:	Hollow Ste	m Auger		Boring No. MW-4	
Coordina	ites:	LC	G OF S	OIL/R	OCK BO	RING		Sampling Me		Split Spoons		Sheet 1 of	2
Surface		n:							Continuous	ори оросно		Dril	
Casing E								Water Level				Start	Finish
Reference		ion:						Time	-				
Reference	e Desc:							Date Reference	1			0840 7/6/10	1000 7/6/10
Sample	Inches	Dpth.	Sample	PID	Blows	Depth	USC	S Surface Cond	litions:	Asphalt		770/10	770/10
	Drvn/In.		No.	ppm	per	in	Log			•			
	Recvrd				6 in.	Feet			011 = 7 / 4				
0-2	24/13			13.2	<u>6</u> 9	1	SM	dense, moist,		SAND, little co	arse sand a	and gravel. S	Blightly
0-2	24/13			13.2	11	'	H	dense, moist,	moderately	well softed.			
					12	2							
			Gude-MW4		3		SM		e yellowish b	rown SILTY S	AND. Sligh	ıtly dense, dr	у,
2-4	24/12		SO-2-4	13.2	2	3	\sqcup	well sorted.	4		1: 0 ^	ND Lassa	-1
					4	4	SP	well sorted.	te yellowish	brown fine to I	meaium SA	AND. Loose,	ary,
					3	4	SM		own verv fin	e SILTY SAND). little grav	el. Dense. m	noist.
4-6	24/12			6.3	6	5		moderately w			, 9		
					6								
					6	6		0.40" Dank b		- OILTY CAND	\ 1:441	al Madanata	ll
6-8	24/10			2.8	3	7	SM	moist, moder		e SILTY SAND	, illie grav	ei. Moderate	ely dense,
0-0	24/10			2.0	4	'		moist, moder	atery Well 30	ieu.			
					2	8							
					2		SM			SILTY SAND,	little grave	I. Moderately	y dense,
8-10	24/6			1.6	2	9		dry, moderate	ely well sorte	d.			
					3	10	SP	•					
					5	10	\vdash		ely vellowish	brown fine to	medium SA	AND, some o	coarse
10-12	24/8			1.5	5	11				Loose, very w			
					8								
					9	12			NO DECO	/CDV			
12-14	23/0				5 17	13	H	1	NO RECO	VERI			
14 17	2010				30	13	H						
					50/5	14							
					5		SP			n very fine SA	ND, little si	It and cobble	es. Very
14-16	23/13			2.6	18	15	Ш	dense. Slight	y moist, well	sorted.			
					35 50/5	16	\vdash						
					5	10	SP	0-15" Pale ye	llowish brow	n very fine SA	ND, little co	parse sand,	gravel, silt
16-18	23/15			2.6	17	17				Slightly moist,			,
					33		Ш						
					50/5	18	SP	0 15" Dolo :::	llowich brow	n von fina C^	ND little at	norco cond	arovol cilt
18-20	23/15			3.9	10 19	19		and cohbles	Very dense	n very fine SA Slightly moist,	noorly sor	ted Little da	graver, Sill rk
10 20	20/10			0.0	36	13	H	brown stainin		Chightay moist,	Poorly 301	tou. Little da	111
					50/5	20							
							Ш						

Driller:

07/06/2010

Chad Chism

Logged by:

Drilling Contractor:

Joseph Sawicki

							_							
	8								Job. No.	Client:	0		Location:	
			gineering	-						Montgomery			Gude Landfill	
EA Engineer	ing. Science	and	Technolo	gy, In	C.				Drilling Method:	Hollow Ste	ın Auger	-	Boring No. _{MW-4}	
EA Engineer and Technol	ogy, Inc.		G OF S	JII /P/	оск во	RING			Sampling Meth	Jod.			.v.vv- -1	
Coordina	ates:			~. <u>~</u> /1\\	J J. (DO.	10			Sampling Met		s Split Spoons		Sheet 2 of	2
Surface		า:						•						ling
Casing E	Below Su	ırface:						•	Water Level				Start	Finish
Reference	ce Elevat	tion:							Time	-				
Reference	ce Desc:								Date Reference		_		0840	1000
Sample	Inches	Dpth.	Sample	DID	Blows	Donth	—	HSCS	Reference Surface Condi	tione:	Asphalt		7/6/10	7/6/10
Sample Type	Drvn/In.		Sample No.	ppm		Depth in		Log	Surface Cond.	uons.	Aspridit			
	Recvrd				6 in.	Feet	_	9						
					7			SM	0-19" Pale bro			e coarse sa	ınd and grav	el. Dense,
20-22	24/19			4.3	16	21			wet, moderate					
	¶ -	[]	1 1	1 Ì	25		\square		_					
			 	}	35 14	22	_	SP	0-19" Pale bro	Wn very fine	SAND some	silt trace	aravel Dono	e moist
22-24	24/19		1 I	3.4	25	23	—	JF.	moderately we	ell sorted.	o o, u vo, sont	oni, irace	gravor. Derit	, 1110131,
	1		1		50/5		〓							
			\			24			0.4="=		0444=			
24.00	40/45		1 I	<i>-</i> ^	4	25		SP	0-15" Pale bro	wn very fine	e SAND, some	silt, trace	gravel and c	obbles.
24-26	42/15		1	5.3	10 10	25	-		Moderately de End of Boring		moderately We	ен sorted.		
	1		1 I	1 I	11	26	—		or borning	-0 100t				
	 		\			27								
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			\I			41								
Logged b	y:			Josep	oh Sawick	кi				Date:	07/06/2010			

Driller:

Chad Chism

Summit Site Services

Drilling Contractor:

									Job. No.	Client:			Location:	
	4 8	EA En	gineering, S	Science	۵					Montgomery	County DED		Gude Landfill	
			•		ᠸ,									
EA Engineer	ing, Science),	Technology							Hollow Ste	m Auger		Boring No. _{MW-6}	
		LO	G OF SOIL	_/ROC	K BORII	NG			Sampling Metl	hod:				
Coordina										Continuous	s Split Spoons		Sheet 1 of	2
Surface I													Dri	ling
Casing E									Water Level				Start	Finish
Reference	e Elevat	ion:							Time	-				
Reference	e Desc:								Date				1103	1315
									Reference				6/22/10	6/22/10
Sample		Dpth.	Sample	PID	Blows	Depth		USCS	Surface Condi	itions:	Topsoil			
	Drvn/In.	Csg.	No.	ppm	per	in		Log						
	Recvrd				6 in.	Feet								
					8			SP	0-16" Light red	ddish brown	fine SAND, so	me silt. De	ense, dry, we	ell sorted.
0-2	18/16			0.0	5	1								
					7									
						2								
	40/40			0.0	27	_		SM		ddish brown	very fine SAN	D and SIL	I. Dense, dr	y, well
2-4	18/13			0.0	10	3			sorted.					
					10									
					40	4		014	0.40	LP-L L	C. CANI	D I OII -	E Mar Livia ()	
4.0	40/40			0.0	12	_		SM			very fine SAN	D and SIL	i. Moderatei	y dense,
4-6	18/13			0.0	13 17	5			dry, well sorte	a.				
					17	_								
					25	6		SP	0 17" Daddiah	brown ver	fine SAND, so	mo cilt M	odorotoly do	nco dru
6-8	10/17			0.0	25	7	\mathbf{H}	32		DIOMII VERY	TIME SAND, SC	mie siit. Mi	ouerately de	rise, ury,
0-0	18/17			0.0	18	/			well sorted.					
					10	8								
					5	٥	-	SP	0-6" Reddish k	nrown verv	fine SAND, son	ne silt Mo	derately den	se dry
8-10	24/20			0.0	4	9		OF.	well sorted.	JIOWII VEIY	IIIIG OAND, SUI	iic oiit. WIO	ucialciy ucii	Ju, ury,
0.10	2 1/20			0.0	6	J		CL		brown Cl A	Y, little fine san	d and silt	Dense, mois	st.
					7	10		0_	well sorted.	~. O OL/ (., intio inio dan	and ont.	_ 51.55, 111016	,
					5			SC		brown ver	fine CLAYEY	SAND. De	nse, drv. we	ll sorted.
10-12	24/15			0.0	5	11							,j, .	
· · · · · · ·					6									
					8	12								
			Gude-MW6		2			CL	0-15" reddish	brown CLA	Y, little very fine	e sand and	silt. Modera	ately
12-14	24/15		SO-12-14	0.0	3	13					ome black stai			-
					3							_		
					8	14								
					5			SC			to medium CL/		ID. Moderate	ely dense,
14-16	24/18			0.0	8	15			wet, well sorte	ed. Little bla	ck bands of sta	ining.		
					3									
					2	16								
					10			SC			to very fine CL		ND. Moderat	ely dense,
16-18	24/22			0.0	11	17			wet, well sorte	d. Little bla	ck bands of sta	iining.		
					14									
					13	18		0.0	0.10" 5	, ,	OLAVE: / O			
40.00	0.4/4.0				8			SC			CLAYEY SANI		tely dense, v	vet
18-20	24/19			0.0	9	19	Щ		well sorted. So	ome black b	ands of stainin	g.		
					8	20								
					9	20								

Driller:

06/22/2010

Chad Chism

Logged by:

Drilling Contractor:

Joseph Sawicki

								Job. No.	Client:			Location:	
	A ®	EA En	gineering	, Scie	nce,				Montgomery	County DEP		Gude Landfill	
			Technolo					Drilling Method:				Boring No.	
EA Engineer and Technol	ing, Science		. 55.111010	יייי ינכי				g .viourod.				MW-6	
		LC	G OF S	OIL/R	оск во	RING		Sampling Met	hod:				
Coordina							•		Continuous	Split Spoons		Sheet 2 of	2
Surface							•						ling
Casing E							•	Water Level				Start	Finish
Reference		tion:						Time	-			4400	1015
Reference	ce Desc:						•	Date Reference				1103 6/22/10	1315 6/22/10
Sample	Inches	Doth.	Sample	PID	Blows	Depth	USCS	Surface Condi	tions:	Topsoil		0/22/10	0/22/10
Type	Drvn/In.	Csg.	No.	ppm	per	in	Log						
	Recvrd				6 in.	Feet							
					9		SC	0-20" Reddish				tely dense, v	vet
20-22	24/20			0.0	12	21		well sorted. So	ome black b	ands of staini	ng.		
					13	00							
					18 5	22	SC	0.7" Madarata	vallowish b	rown fine to	andium CL A	VEV CAND	Donco
22-24	24/22			0.0	7	23	30	0-7" Moderate moist, well son		rown line to n	ieuluiti CLA	VIET SAND	. Dense,
ZZ-Z4	24/22			0.0	7	23	CL	7-22" White fir	ne to mediui	m SANDY CL	AY Dense	wet well so	rted
					12	24		Red and brow					
					11		SC	0-12" Moderat	e yellowish	brown fine to	medium CL	AYEY SANI	D. Dense,
24-26	24/22			0.0	10	25		moist, well sor	ted.				
					8		SC	12-22" White f	ine to medi	um CLAYEY S	SAND. Very	dense, moi	st,
					9	26		well sorted.					
								End of Boring	- 26 feet				
						27							
						28							
						20							
						29							
						30							
						31							
						20							
						32							
						33							
						34							
						35							
						20							
						36							
						37							
						57							
						38							
						39							
						40							
						11							
						41							

Driller:

06/22/2010

Chad Chism

Logged by:

Drilling Contractor:

Joseph Sawicki

	— ®								Job. No.	Client:			Location:	
	Λ	EA En	gineering	g, Scie	nce,				62196.08	Montgomery	County DEP		Gude Landfill	
		and	Technolo	gy, In	c.				Drilling Method:	Hollow Ster	n Auger		Boring No.	
EA Engineer and Technol	ng, Science	٠,								Air Rotary			MW-7	
		LC	G OF S	OIL/R	оск во	RING			Sampling Meth	nod:				
Coordina										Continuous	Split Spoons	3	Sheet 1 of	2
Surface														ling
Casing E									Water Level				Start	Finish
Reference		ion:							Time	-			4045	4.400
Reference	e Desc:								Date			<u> </u>	1245	1430 6/24/10
Sample	ممامما	Doth	Cample	חום	Dlawa	Danth		LICCC	Reference	tione.	Tanasil		6/23/10	6/24/10
	Drvn/In.		Sample No.	PID ppm	Blows per	Depth in		Log	Surface Condi	tions:	Topsoil			
Турс	Recvrd	Cag.	NO.	ppiii	6 in.	Feet		Log						
	rtoovia				5	1 001		SM	0-14" Light red	ldish brown	very fine SII	TY SAND t	race organic	matter
0-2	24/14			0.0	10	1		-	Moderately de			11 0/110, 1	race organie	mattor.
					10					,,,				
					11	2								
					3			SM	0-14" Moderat				ND, trace org	ganic
2-4	24/14			0.0	4	3			matter. Moder	ately dense,	dry, well sor	ted.		
					4									
					5	4		SP	0 10" Madarat		and the second fine	CAND	ma silt Dans	_
4-6	24/18			0.6	<u>4</u> 5	5		5P	0-18" Moderat slightly moist,		own very line	SAND, SOI	me siit. Dens	e,
4-0	24/10			0.0	6	5			Silgritly moist,	well softed.				
					6	6								
					7	Ŭ		SP	0-12" Pale yel	owish brown	n very fine SA	AND, little si	ilt. Very dens	se, dry,
6-8	24/12			0.8	7	7			well sorted.		•	·		
					12									
					17	8								
			Gude-MW7		5			SP	0-20" Pale yell				nedium sand	and silt.
8-10	24/20		SO-8-10	2.3	4	9			Moderately de	nse, slightly	moist, well s	orted.		
					<u>4</u> 5	10								
					3	10		SP	0-5" Pale yello	wish brown	very fine SAI	VID little me	dium sand a	and eilt
10-12	19/12			1.2	29	11		Oi	Moderately de				dium sand a	iria siit.
10 12	10/12				50/5			SP	5-12" White ve				partially con	solidated.
						12		_	dry, well sorte		,	, , ,	, ,	,
					50/5									
12-14	24/0					13				NO RECO\	/ERY			
							Ш							
					F0/2	14		CD.	0.0" Limbt are:	/b:40om/	fine CAND II	ttle eilt. Den	oo nortially	
14-16	3/3			0.0	50/3	15		SP	0-3" Light gray			ille siit. Den	ise, partially	
14-10	3/3			0.0		15	\vdash		consolidated,	ary, wen sor	ieu.			
						16	\square		Split Spoon Sa	ampling Disc	continued- 16	feet		
									op op co o	pg =				
16-18						17			Rock					
						18	Ш							
40.55							Ш							
18-20						19	Ш							
						20	\vdash							
						20	\vdash							

Driller:

6/23/2010-6/24/2010

Chad Chism

Logged by:

Drilling Contractor:

Joseph Sawicki

	A ®	EA En	gineering,	Scien	ce.				Job. No. 62196.08	Client: Montgomery	County DEP		Location: Gude Landfill	
			Technolog						Drilling Method:	Hollow Ste			Boring No.	
EA Engineer and Technol	ing, Science	ı,								Air Rotary	-		MW-7	
		LO	G OF SO	IL/RO	CK BOR	ING			Sampling Met	hod:	0.1.0		01 0	0
Coordina Surface										Continuous	Split Spoons		Sheet 2 of	2 ling
Casing E									Water Level		ı		Start	ling Finish
Reference	ce Flevat	ion:							Time	_			Start	LIIIISII
Reference									Date				1245	1430
									Reference				6/23/10	6/24/10
Sample	Inches	Dpth.	Sample		Blows	Depth			Surface Cond	itions:	Topsoil	_		
Type	Drvn/In. Recvrd	Csg.	No.	ppm	per	in Fact		Log						
	Recvia				6 in.	Feet								
						20								
						30								
									Rock					
						40								
						50	\vdash							
						00								
						60			End of Boring	- 58 feet				
						70	Ш							
						70								
						80								
						90								
						400								
						100								
						110								
						120								
						130								
						130								
						140								
						150								
						160	-							
						100								
						170								
						180	Ш							
						190	-							
						130								
						200								
						210								
						220			Note: Depth S	Scale Chang	es to 10-foot Ir	ntervals at 2	0 feet.	

Logged by:	Joseph Sawicki	Date:	6/23/2010-6/24/10
Drilling Contractor:	Summit Site Services	Driller:	Chad Chism

								_		011				
	● ®	E	aino o ris -	. 0-:-	200			,		Client:	0		Location:	
			gineering					J.		Montgomery			Gude Landfill	
EA Ea :			Technolo	gy, In	c.					Hollow Ster	m Auger		Boring No.	
EA Engineer and Technol	ıng, Science ogy, İnc.			<i>:</i> -				J.		Air Rotary			MW-8	
Coordina	itos.	LC	G OF S	OIL/R	OCK BO	RING		1	Sampling Meth		Split Spoons		Sheet 1 of	2
Surface		٠.						ŀ		Continuous	Spire Spooris			lling
								,	Motorlossal					- U
Casing E Reference									Water Level Time				Start	Finish
Reference		IIOH.						-	Date	-			0915	1100
1761616110	Desc.						_		Reference				6/23/10	6/23/10
Sample			Sample		Blows	Depth	USC	CS	Surface Condi	tions:	Topsoil			
	Drvn/In.	Csg.	No.	ppm	per	in	Log	g						
	Recvrd	<u> </u>			6 in.	Feet								
					5		ML		0-18" Moderate	e yellowish	brown SILT, s	ome clay, l	ittle very fine	e sand.
0-2	24/18			0.0	4	1			Dense, moist,					
					5									
					5	2								
					4		ML		0-14" Moderate		brown SILT, s	ome clay, I	ittle very fine	e sand.
2-4	24/14			0.0	4	3			Dense, moist,	well sorted.				
					3									
					3	4								
					5	I <u>I</u> L	ML		0-16" Moderate				le fine to me	edium
4-6	24/16			0.0	4	5]	Dense, moist,	well sorted.	Little black st	aıning.		
					5	<u>_</u>		ļ						
					6	6	—∣ ,	ŀ	0.4411.84 - 1		OUT :	and the Per	la fina to o	-II
6.0	04/44			0.0	8		ML		0-14" Moderate					eaium
6-8	24/14			0.0	13	7		1	sand. Very der	ise, moist, \	well sorted. So	ome black s	staining.	
					13 14	0		ŀ						
			0		4	8	— мь	ŀ	0-20" Madarati	o raddiah hr	own SILT cor	mo clav, litt	lo fino to ma	dium
8-10	24/20		Gude-MW8 SO-8-10	0.0	7	9	IVIL		0-20" Moderate sand. Very der					uiuiii
0-10	24/20		30-6-10	0.0	7	<u> </u>		P	sand. Very der	ise, moist, v	well softed. St	offic black s	stairing.	
					8	10	\dashv	ŀ						
					3	١٧-	М	ŀ	0-2" Moderate	reddish hro	wn SII T som	e clay little	e fine to med	lium
10-12	24/13			0.0	7	11	— IVIL		sand. Very der					
10 12	2 ./ 10			0.0	7	l ∵⊩	SF		2-13" Moderate					se. drv
					8	12	⊣ "		well sorted.	. ,				, - , ,
					5	I [∵] ⊩			0-19" Moderate	e yellowish	brown very fin	e SAND, li	ttle silt. Dens	se, dry,
12-14	24/19			0.0	6	13	SF		well sorted.	,	- ,	,		. ,,
					11			ľ						
					13	14		ľ						
					5		SF)	0-15" Moderate	e yellowish	brown very fin	e SAND, s	ome silt. De	nse, dry,
14-16	24/15			0.0	7	15			well sorted.					
					13									
					15	16								
					14		SF		0-12" Moderate			e SAND, li	ttle silt. Very	dense,
16-18	24/12			0.0	20	17			partially conso	lidated, dry,	well sorted.			
					24			<u> </u>						
					26	18	⊣	、 L	0.40 1.6			041:5 ::		
40.00	0/40				17		SF		0-12" Moderate	e yellowish	brown very fin	e SAND, li	ttie silt. Very	dense,
18-20	9/12			0.0	50/5	19		J	partially conso	ııdated, dry,	well sorted.			
							_	ŀ						
						20		ŀ						
								ŀ						

Driller:

06/23/2010

Chad Chism

Logged by:

Drilling Contractor:

Joseph Sawicki

	8			<u>.</u>						Client:			Location:	
			gineering							Montgomery			Gude Landfill	
EA Engineer	ing Science		Technolo	gy, In	C.				Drilling Method:	Hollow Ste	m Auger		Boring No.	
EA Engineer and Technol	ogy, Inc.	, 1 ~)C OF C	OII /D/	OCK BO	DING			Complian Mart	Air Rotary			MW-8	
Coordina	ates:	LC	G OF S	JIL/K(JOK BO	KING			Sampling Meth	Continuous	Split Spoons		Sheet 2 of	2
Surface		n:								Johnnous	opin opoons			ling
Casing E									Water Level		1		Start	Finish
Reference	ce Elevat	tion:							Time	-			Otart	1 1111011
Reference									Date				0915	1100
									Reference				6/23/10	6/23/10
Sample	Inches	Dpth.	Sample		Blows	Depth		USCS	Surface Condi	tions:	Topsoil			
Type	Drvn/In.	Csg.	No.	ppm	per	in		Log						
	Recvrd				6 in.	Feet		CD	0.01.14	ا داداد العدد		CAND 1:44	la a:lt \/am	
20-22	10/8			0.0	18 50/4	21		SP	0-8" Moderate partially conso	yellowish b	well sorted	SAND, IIII	e siit. Very o	dense,
20-22	10/0			0.0	30/4	21			partially coriso	iliuateu, ury	, well softed.			
						22	\dashv							
					34			ML	0-12" Pale bro	wn SILT, so	ome coarse sa	nd, little fin	e sand. Very	/ loose,
22-24	17/17			0.0	24	23			wet, moderate	ly sorted.				
					50/5		Щ	SP	12-17" Pale br	own very fir	ne SAND. Den	se, partially	/ consolidate	ed, moist,
						24			well sorted. Split Spoon Sa	ampling Dice	continued 24	foot		
						25			Split Spooti Sa	ampling Disi	continueu- 24	ieet		
						23			Rock					
						26								
						27								
						00								
						28								
						29								
						30			End of Boring-	30 feet				
						31								
						32								
						32	-							
						33	\dashv							
						34								
						0.5								
						35	\square							
						36	\dashv							
						50	\dashv							
						37	\square							
						38	Щ							
						00	\square							
						39	\square							
						40	\dashv							
						40	\dashv							
						41	\Box							

Driller:

06/23/2010

Chad Chism

Logged by:

Drilling Contractor:

Joseph Sawicki

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	●							Job. No.	Client:			Location:	
			gineering	-					Montgomery			Gude Landfill	
EA Engineer and Technol	ing, Science		Technolo	gy, In	C.			Drilling Method:	Hollow Ste	m Auger		Boring No. MW-9	
		LC	G OF S	OIL/R	оск во	RING		Sampling Met		0.15.0		01	
Coordina									Continuous	Split Spoons		Sheet 1 of	2
Surface											•		lling
Casing E								Water Level				Start	Finish
Reference		ion:						Time	-	ļ	-	1044	1405
Reference	e Desc:							Date Reference				1244 7/6/10	1435 7/6/10
Sample			Sample		Blows	Depth	USCS	Surface Cond	itions:	Asphalt			
	Drvn/In.	Csg.	No.	ppm	per	in	Log						
	Recvrd				6 in.	Feet							
0.5	0.4/0.				3	.	Щ . <i></i>	0-2" Asphalt		5 11:01 C			,
0-2	24/21			2.6	6	1	ML	2-21" Reddish		I, little fine to	coarse san	d and clay. \	ery/
					7	٦		dense, dry, po	orly sorted.				
					9	2	SM	0-17" Daddiah	brown yers	fine SANDY	SILT little	coareo cond	and
2-4	24/17			2.5	6	3	SIVI	0-17" Reddish gravel. Very d	ense dry w	ell sorted	JILI, IIIIIE (odise Sailu	ailu
۲.4	<u> </u>			2.0	7	-		giavoi. Very u	orioo, ury, w	on sorteu.			
					10	4							
					8	T	SM	0-13" Moderat	e yellowish	brown very fir	e SILTY S	AND, trace of	obbles.
4-6	24/13			3.7	9	5		Dense, dry, w					
					9								
					10	6							
					7	▎	SM						es.
6-8	24/15			2.6	8	7_		Dense, dry, w	ell sorted. T	race black sta	ınıng, likely	organic.	
					9	٦							
					7	8_	SM	0-15" Pale yel	lowich brow	n very fine SII	TV SAND	trace cobble	20
8-10	24/15			2.6	7	9	SIVI	Dense, dry, w					<i>5</i> 0.
0.10	2 ./ 10				8	ĭ		201100, dry, W	oortoa. 1	Diaon dia	g, intoly	organio.	
					10	10							
					4		SM	0-22" Pale yel	lowish brow	n very fine SIL	TY SAND.	Dense, dry,	
10-12	24/22			4.0	8	11		well sorted.					
					12								
					14	12							
40.44	04/46				4		SM	0-18" Pale yel	lowish brow	n very fine SIL	IY SAND.	Dense, dry,	
12-14	24/18			3.6	7	13_		well sorted.					
					9 10	14							
					4	14	SM	0-15" Moderat	e vellowish	hrown very fin	e SII TV S	AND Dense	dry
14-16	24/15			2.1		15		well sorted.	.o yonowion	2.0WII VOI y III	OILII O		,y,
	, .0				18	_ ` <u>`</u>							
					20	16							
					5		SM	0-21" Moderat	e yellowish	brown very fir	e SILTY S	AND. Dense	, moist,
16-18	24/21			2.8	7	17		well sorted.					
					12								
					15	18							
40.55	00/00			١	9	L	SM						oarse
18-20	23/20			4.1	20	19_		sand and quai	tz cobbles.	Dense, moist,	well sorted	d.	
					35 50/5	20							
					50/5	20	-						

Driller:

07/06/2010

Chad Chism

Logged by:

Drilling Contractor:

Joseph Sawicki

										1				
	®								Job. No.	Client:			Location:	
			gineering, S		Э,					Montgomery			Gude Landfill	
EA Engineer	ing, Science		Technology	, Inc.					Drilling Method:	Hollow Ste	em Auger		Boring No. MW-9	
and Technol	ogy, Inc.	LO	G OF SOIL	/ROC	K BORIN	NG.			Sampling Met	hod:				
Coordina	ates:								eapge.	Continuou	s Split Spoon	S	Sheet 2 of	2
Surface	Elevation	า:											Dri	lling
Casing E	Below Su	rface:							Water Level				Start	Finish
Reference									Time	-				-
Reference	ce Desc:								Date				1244	1435
									Reference				7/6/10	7/6/10
Sample	Inches	Dpth.	Sample	PID	Blows	Depth	Į	USCS	Surface Cond	itions:	Asphalt			
Type	Drvn/In.		No.	ppm		in		Log			•			
• •	Recvrd				6 in.	Feet								
			Gude-MW9					SM	0-21" Moderat	te vellowish	brown verv f	ine SILTY S	AND. Moder	atelv
20-22	24/21		-SO-20-22	4.7		21			dense, moist,					,
									,					
						22								
								SM	0-22" Pale yel	llowish brov	vn very fine S	ITLY SAND.	Moderately	dense,
22-24	24/22			3.5		23			moist, well so	rted. Little b	olack staining.			
						24								
								SM	0-18" Pale yel				Moderately	dense,
24-26	24/18			1.2		25			moist, well so	rted. Little b	olack staining.			
						26			End of Boring	- 25 feet				
						0.7								
						27								
						28								
						20								
						29								
						30								
						31								
						32								
						33								
						_								
						34								
						35	\blacksquare							
						35								
						20	\mathbf{H}							
						36	H							
						37	-							
						37	H							
						38								
						39								
	<u></u>					40								
						41								

Driller:

07/06/2010

Chad Chism

Logged by:

Drilling Contractor:

Joseph Sawicki

								Job. No.	Client:			Location:	
	A ®	EA En	gineering,	Scien	ce,				Montgomery	County DEP		Gude Landfill	
			Technolog						Hollow Ster			Boring No.	
EA Engineer and Technol	ing, Science),										MW-10	
Coordina	itos:	LC	G OF SO	IL/RO	CK BOR	ING		Sampling Met	hod:	Split Spoons	,	Sheet 1 of	2
Surface		٠.							Continuous	Spir Spooris	•		lling
Casing E								Water Level	1			Start	Finish
Reference								Time	_			Start	FILISH
Reference		iiOi i.					•	Date	-			0920	1050
recicione	.с Бсзс.						•	Reference				7/2/10	7/2/10
Sample		Dpth.	Sample	PID	Blows	Depth	USCS	Surface Condi	itions:	Grass			
	Drvn/In.	Csg.	No.	ppm	per	in	Log						
	Recvrd				6 in.	Feet							
0.0	0.4/4.0				4		OL	0-12" Dark bro	own SILT, lit	tle fine sand a	and organic	matter. Den	se, dry,
0-2	24/12			0.0	6	1		well sorted.					
					6	2	ļ						
					6 4	2	OL	0-6" Dark brov	un CII T littl	o fino cond or	ad organia n	nottor Dono	o dry
2-4	24/17			0.0	5	3	OL	well sorted.	VII SILI, IIIII	e iiile sailu ai	iu organic i	natter. Dens	e, ary,
2-4	24/11			0.0	7	3	ML	6-17" Light gra	av and light l	orown CLAYE	Y SILT De	nse dry we	ll sorted
					8	4	'''-	o ir Light git	ay and light i	STOWN CE/TTE	IT OILT. DO	nioo, ary, we	iii oortoa.
					3	-	ML	0-17" Light gra	ay and light I	orown CLAYE	Y SILT. Ve	ry dense, dr	٧,
4-6	24/17			0.0	3	5	1	well sorted.	, ,			* '	, ,
					4		1						
					6	6]						
					6		ML	0-21" Light gra	ay and light l	orown CLAYE	Y SILT, littl	e fine to me	dium
6-8	24/21			0.0	9	7		sand. Very de	nse, dry, we	ll sorted.			
					9		ļ						
					10	8							
					4	_	ML	0-9" Light gray	/ and light bi	rown CLAYE	/ SILT. Very	y dense, dry	1
8-10	24/17			0.0	4	9		well sorted.		0.4410.7.011.	T 1991 1		
					4	4.0	ML	9-17" Dark bro		SANDY SIL	I, little clay	. Moderately	dense,
					4	10	CM	moist, well sor		CII TV CANI	D. Madarata	مر مممم سم	a int
10-12	24/15			0.0	4	11	SM	0-15" Dark browell sorted.	own very line	SILIY SANI	D. Moderate	ely dense, m	oist,
10-12	24/15			0.0	5	11	ł	well sorted.					
					6	12	ł						
					4	12	SM	0-16" Dark bro	wn very fine	SII TY SANI	D Moderate	alv dense m	nist
12-14	24/16			0.1	4	13	Civi	well sorted.	own very nine	OILTT O/ (IVI	D. Moderate	bry derise, in	Olot,
	2 1/10			0.1	7	.0	i	Woll Cortoa.					
					8	14							
					5		SM	0-17" Dark bro	own very fine	SILTY SANI	D, trace qua	artz cobbles.	
14-16	24/17			0.6	7	15	1	Moderately de					
					6		1						
					7	16							
					6		SM	0-18" Pale yel				silt, trace qu	artz
16-18	24/18			1.1	7	17		cobbles. Sligh	tly dense, m	oist, well sort	ed.		
					7								
					8	18							
			Gude-MW10		3		SM	0-17" Dark bro			e silt, trace	quartz cobb	es.
18-20	24/17		-SO-18-20	1.8	3	19		Slightly dense	, moist, well	sorted.			
					4		l						
					4	20	l						
							1						

Driller:

07/02/2010

Chad Chism

Logged by:

Drilling Contractor:

Joseph Sawicki

								Job. No.	Client:			Location:	
	A	EA En	gineering	j, Scie	nce,				Montgomery	County DEP		Gude Landfill	
	4	and	Technolo					Drilling Method:		m Auger		Boring No.	
EA Engineer and Technol	ing, Science	9,							Air Rotary			MW-10	
		LC	G OF S	OIL/R	оск во	RING		Sampling Met	hod:				
Coordina									Continuous	Split Spoons		Sheet 2 of	2
Surface										1	1		lling
Casing E								Water Level				Start	Finish
Reference		ion:						Time Date	-			0920	1050
I/GIGIGII	e Desc.							Reference				7/2/10	7/2/10
Sample	Inches	Dpth.	Sample	PID	Blows	Depth	USCS	Surface Condi	tions:	Grass		.,_,.,	.,_,
Type	Drvn/In.	Csg.	No.	ppm	per	in	Log						
	Recvrd				6 in.	Feet							
					3		SM	0-17" Moderat	e yellowish	brown very fin	e SILTY S/	AND. Dense	,
20-22	24/17			1.4	3	21		moist, well sor	ted.				
					5	20							
				<u> </u>	6 7	22	SM	0-18" Moderat	e vellowish	hrown very fin	e SII TV S	AND Dense	
22-24	24/18			1.1	11	23	CIVI	moist, well so		DIOWII VEIY III	O OILI I O	10. 061136	,
					16								
					18	24							
						25		End of Boring-	· 25 feet				
						26							
						20							
						27							
						28							
						20							
						29							
						30							
						31							
						32							
						33							
						33							
						34							
						35							
						36							
						37							
						37							
						38							
						39							
						4.5							
				-		40							
						41							
						41							

Driller:

07/02/2010

Chad Chism

Logged by:

Drilling Contractor:

Joseph Sawicki

	∧ °		gineering,		ce,				Client: Montgomery			Location: Gude Landfill	
EA Engineer	ing, Science	,	Technolog	-				Drilling Method:		n Auger		Boring No. MW-11A	
Coordina	ites:	LO	G OF SO	L/RO	CK BOR	ING		Sampling Meth		Split Spoons		Sheet 1 of	2
Surface I	Elevation	:					•					Dril	ling
Casing E								Water Level				Start	Finish
Reference		ion:					•	Time	-				
Reference	e Desc:						•	Date Reference				1430 6/29/10	1556 6/29/10
		Dpth.	Sample	PID	Blows	Depth	USCS	Surface Condi	tions:	Grass			
	Drvn/In. Recvrd	Csg.	No.	ppm	per 6 in.	in Feet	Log						
0.0	04/40			4.4	3	4	ML	0-19" Moderat				ne sand. De	nse,
0-2	24/19			1.1	8 10	1		dry, well sorte	d. Little orga	nic matter an	d roots.		
					11	2							
					3		ML	0-18" Moderat	e yellowish l	orown SILT, s	ome very fi	ne sand. Mo	derately
2-4	24/18			1.2	6	3		dense, dry, we	ell sorted. Lit	tle organic ma	atter and ro	ots.	
					9 11	4	l						
					5	4	ML	0-16" Moderat	e vellowish l	orown SILT. s	ome verv fi	ne sand, tra	ce
4-6	24/16			1.6	9	5		coarse sand.					
					10								
					14	6	N/I	0.40" Dala vall	المستأماء المسترسين	o very fine CA	NDV CILT	Danaa aliah	-4l. <i>c</i>
6-8	24/18			2.2	8 11	7	ML	0-18" Pale yell moist, well sor		i very line SA	NUT SILI.	Dense, sligi	ıuy
00	24/10			2.2	16	,		moist, well sol	icu.				
					20	8							
					6		ML	0-17" Pale yell		n very fine SA	NDY SILT,	trace coarse	e sand.
8-10	24/17			1.8	9 14	9		Dense, dry, we	ell sorted.				
					20	10	1						
					9		ML	0-16" Pale yell	lowish brown	n SILT, some	very fine sa	and, trace co	arse
10-12	24/16			1.2	10	11		sand. Moderat	tely dense, c	lry, well sorted	d.		
					12	40							
					12 9	12	ML	0-18" Pale yell	lowish hrow	SILT some	very fine sa	and trace co	arse
12-14	24/18			2.0	9	13	141	sand. Moderat				,	
					9				, ,	-			
					8	14	, a.	0.40 D.1.	Laurdale III e	OII T			
14-16	24/19		Gude-MW11A SO-14-16	2.6	6 7	15	ML	0-19" Pale yell Moderately de			very fine sa	ina, trace cla	ay
17 10	Z-7/13		30-14-10	2.0	7	13	1	woodcratery de	noo, moiot,	JUILUU.			
					9	16							
10.10	0.4/0.0			0.0	7		ML	0-20" Pale yell			very fine sa	and, trace cla	ay
16-18	24/20			2.2	9 12	17		Moderately de	nse, moist, v	well sorted.			
					13	18							
					6		ML	0-20" Pale yell	lowish brown	SILT, some	very fine sa	and, trace cla	ау
18-20	24/20			1.8	7	19		Moderately de					
					12	20							
					14	20							

06/29/2010

Chad Chism

Date:

Driller:

Logged by:

Drilling Contractor:

Joseph Sawicki

1								_						
	8									Client:			Location:	
			gineering							Montgomery			Gude Landfill	
EA Ex			Technolo	ogy, In	C.				Drilling Method:	Hollow Ster	m Auger		Boring No.	
EA Engineer and Technol	ıııg, əcience ogy, İnc.			OU /= :	2014 2 2	DINIO			0 !	Air Rotary			MW-11A	
Coordina	ates:	LC	G OF S	UIL/R	OCK BO	KING			Sampling Meth		Split Spoons		Sheet 2 of	2
Surface	Elevation	ո։												lling
Casing E	Below Su	ırface:							Water Level				Start	Finish
Reference									Time	-				-
Reference									Date				1430	1556
									Reference				6/29/10	6/29/10
Sample			Sample		Blows	Depth			Surface Condi	tions:	Grass			
	Drvn/In.	Csg.	No.	ppm	per	in	L	Log						
	Recvrd				6 in.	Feet								
00.00	04/46			0.0	4		^	ML	0-19" Pale yell			very fine sa	and, trace cl	ay
20-22	24/19			2.0	5	21			Moderately de	nse, moist,	well sorted.			
					8 8	22								
	-				4	22	┥,	ML	0-23" Moderat	e vellowich	hrown SILT o	ome very fi	ine sand tra	CE
22-24	24/23			1.1	5	23	ऻ '	IVIL	clay. Dense, m			one very i	nio sanu, na	
	2 1/20				9	20			J.a.y. 201100, 11	.5.50, 17011 50				
					10	24	\neg							
					14		1	ML	0-14" Pale yell	lowish brow	n very fine SA	NDY SILT.	Very dense	, dry,
24-26	23/14			0.6	20	25			well sorted.				•	•
					28									
					50/5	26							.,	
00.00	00/00			0.0	17		^	ML	0-23" Pale yell	lowish brow	n very fine SA	NDY SILT.	Very dense	, dry,
26-28	23/23			0.8	27	27			well sorted.					
					36 50/5	28								
	-				32	20	┥,	ML	0-11" Pale yell	lowish brow	n very fine SA	NDY SII T	Very dense	moist
28-30	11/11			0.0	50/5	29	ऻ '	IVIL	well sorted.	OWISH DIOW	ii very iiile SA	INDI SILI.	very derise	, 1110131,
	,			0.0	33,0									
						30								
					50/5			ML	0-5" Pale yello	wish brown	very fine SAN	IDY SILT. \	Very dense,	moist,
30-32	5/5			0.0		31			well sorted.					
									End of Boring-	31 feet				
						32								
						20								
						33	-							
						34	_							
						57								
						35								
						36								
						37								
						20								
						38								
						20	-							
						39								
						40	-							
							\dashv							
						41								
						•								

Driller:

06/29/2010

Chad Chism

Logged by:

Drilling Contractor:

Joseph Sawicki

	A ®	EA En	gineering,	Saiona	20			Job. No.	Client:	County DED		Location: Gude Landfill	
					ъ,				Montgomery Hollow Ster				
EA Engineer and Technol	ing, Science		Technology	y, inc.				Drilling Method:	Air Rotary	n Auger		Boring No. MW-11B	
		LC	G OF SOI	L/ROC	K BORI	NG		Sampling Meth					
Coordina									Continuous	Split Spoons		Sheet 1 of	2
Surface							•		1	1	1		lling
Casing E							•	Water Level				Start	Finish
Reference								Time	-			4000	4000
Reference	ce Desc:							Date Reference				1020 6/30/10	1608 7/1/2010
Sample	Inches	Dpth.	Sample	PID	Blows	Depth	USCS		tions:	Grass		0/00/10	17172010
Туре	Drvn/In.	Csg.	No.	ppm	per	in	Log	<u> </u>		0.000			
,,	Recvrd			' '	Ġ in.	Feet							
					5		ML	0-10" Moderat	e yellowish	brown SILT, li	ttle fine to r	medium san	d.
0-2	24/17			2.0	5	1		Dense, dry, we	ell sorted.				
					8		SM	10-17" Modera				SILT. Dens	e, dry,
					10	2		well sorted. Lit					
	0.4/4.5				5		SM	0-15" Moderat	e yellowish	brown very fin	e SANDY S	SILT. Dense	, dry,
2-4	24/15			3.1	8	3		well sorted. Lit	ttle black org	ganic staining.			
					15	4							
					16 5	4	SM	0-24" Moderat	o vollowich	brown vory fin	o CVNDV	SILT Donco	dnı
4-6	24/24			3.9	9	5	Sivi	well sorted.	e yellowisii	brown very iii	e SANDT	SILT. Delise	, ury,
4-0	24/24			5.5	13	5		well softed.					
					15	6							
					6	Ŭ	SM	0-19" Moderat	e yellowish	brown very fin	e SANDY S	SILT. Dense	, dry,
6-8	24/19			3.3	9	7		well sorted. Bl					, - , ,
					15								
					16	8							
					9		SM	0-20" Pale yell			TY SAND.	Dense, dry,	well
8-10	24/20			3.1	10	9		sorted. Little b	lack staining	j .			
					12	40							
					14 9	10	SM	0.40" Dala vall	المساملة المساملة	a very fine CII	TV CAND	Dance dri	all
10-12	24/19			3.5	9	11	SIVI	0-19" Pale yell sorted. Little b			IT SAND.	Dense, ary,	weii
10-12	24/13			3.3	12			Sorted. Little D	iack stairiiriç	<u>J. </u>			
					14	12							
					7		SM	0-19" Pale yell	lowish brow	n verv fine SIL	TY SAND.	some white	verv
12-14	24/19			4.6	9	13		fine sand. Den					- /
					16								
					18	14							
					7		SM	0-21" Pale bro	wn very fine	SILTY SAND). Dense, m	oist, well so	rted.
14-16	24/21			2.9	14	15							
					18	40							
					21	16	CN4	0 17" Dala hii-		OII TV CAND	Nonaa :	oiot wall a -	rtod
16-18	24/17			3.6	11 12	17	SM	0-17" Pale bro	wn very tine	SILIT SANL	. Dense, m	ıdısı, weli so	riea.
10-10	Z4/17			5.0	16	17							
					18	18							
			Gude-MW11B		7		SM	0-20" Pale yell	lowish brow	n very fine SIL	TY SAND.	Dense. moi	st,
18-20	24/20		SO-18-20	3.9	7	19		well sorted.		. , 			,
			Dup-3		10								
					12	20							

Driller:

6/30/10-7/1/2010

Chad Chism

Logged by:

Drilling Contractor:

Joseph Sawicki

								_					
	8							Job. No.	Client:	_		Location:	
			gineering						8 Montgomery			Gude Landfill	
			Technolo	gy, In	c.			Drilling Method:		m Auger		Boring No.	
EA Engineer and Technol	ing, Science ogy, Inc.	9,							Air Rotary			MW-11B	
		LC	G OF S	OIL/R	оск во	RING		Sampling Me		0.111.0		01	_
Coordina									Continuous	s Split Spoons	5	Sheet 2 of	2
Surface									_				ling
Casing E								Water Level				Start	Finish
Reference		tion:						Time	-				
Reference	ce Desc:							Date Reference			1	1020 6/30/10	1608 7/1/10
Sample	Inches	Dpth.	Sample	PID	Blows	Depth	USC	S Surface Cond	ditions:	Grass	•		
	Drvn/In.		No.	ppm	per	in	Log						
• •	Recvrd				6 in.	Feet							
					5		SM	0-18" Pale ye	llowish brow	n very fine SI	LTY SAND.	Dense, very	moist,
20-22	24/18			4.3	8	21		well sorted.					
					14								
					16	22							
					5		SM		owish brown	very fine SIL	TY SAND. I	Dense, mois	i,
22-24	24/19			2.8	8	23		well sorted.		- 11			
					14		ML				ne sand. Ve	ry dense, dry	/,
					18	24_		well sorted. L				. 1	
04.00	0.4/4.0			0.0	8	05	ML			Γ, little very fir	ne sand. Ve	ry dense, dry	/,
24-26	24/19			2.3	14	25		well sorted. L			NI TV CANE	D	:_4
					16	00	SM		ellowish bro	wn very fine S	SILTY SANL	D. Dense, mo	oist,
					19	26	CN4	well sorted. 0-18" Pale ye	llowich brow	n von fine Cl	I TV CAND	Donce me	nt.
26-28	24/18			1.8	12 18	27	SM	well sorted.	HOWISH DIOW	n very line Si	LIT SAND.	Dense, moi	οι,
20-20	24/10			1.0	20	- 21		well softed.					
					25	28							
					25		SM	0-9" Pale vel	owish brown	very fine SIL	TY SAND I	Dense mois	+
28-30	9/9			3.6	50/3	29		well sorted. \			0, 12	201100, 111010	•,
	0,0			0.0	00,0				e.y 4666				
						30							
					25		SP	0-11" Modera	ate brown ve	ry fine SAND,	little cobble	es and silt. V	ery
30-32	11/11			2.1	50/5	31		dense, dry, w		•			,
						32		Split Spoon S	Sampling Dis	continued- 31	feet		
						40							
						50		Rock					
						60							
						- -							
						70							
						90							
						80							
						90		End of Boring	n 93 feet				
						90		LIN OF BOILI	y 33 166t				
						100							
						.00							
						110							
						120		Note: Depth	Scale Chang	es to 10-foot	Intervals at	32 feet.	

Driller:

6/30/10-7/1/2010

Chad Chism

Logged by:

Drilling Contractor:

Joseph Sawicki

	8								Job. No.	Client:			Location:	
			gineering	-						Montgomery			Gude Landfill	
EA Engineer	ing, Science		Technolo	ogy, In	C.				Drilling Method:		m Auger		Boring No. MW-12	
Coordina		LC	G OF S	OIL/R	оск во	RING			Sampling Meth	nod:	Split Spoons		Sheet 1 of	2
Surface I		٠.								Continuous	Split Spooris			2 lling
Casing E									Water Level				Start	Finish
Reference									Time	-			Otart	1 1111011
Reference	e Desc:								Date				1050	1225
		I	lo . I	5.5	-		1	00	Reference				7/6/10	7/6/10
Sample Type	Inches Drvn/In.		Sample No.	PID ppm	Blows per	Depth in	Lo		Surface Condi	tions:	Asphalt			
туре	Recvrd	Csy.	NO.	ppiii	6 in.	Feet		Jy						
					3				0-2" Asphalt					
0-2	24/16			1.9	8	1	S	P	2-16" Moderat					se sand
					11				and gravel. Mo	oderately de	nse, dry, mod	erately wel	l sorted.	
					13	2	s	D	0-24" Moderat	o vollowich	brown fino-mo	dium SAN	D little coar	eo cand
2-4	24/24			2.4	7	3	→ "	'	and gravel, tra					
					8				, , , , , , , , , , , , , , , , , , ,		,	, - , ,	,	
					10	4		_						
4-6	24/15			3.3	10 14	5	s	Р	0-15" Moderat		brown very fin	e SAND, tr	ace gravel.	Dense,
4-0	24/15			ა.ა	15	5			dry, well sorte	u.				
					18	6								
					4		S	P	0-13" Moderat	e yellowish	brown very fin	e SAND, li	ttle sand, silt	i, and
6-8	24/13			2.8	8	7			gravel. Dense,	dry, well so	orted.			
					9 12	8								
					7	Ŭ	s	Р	0-15" Pale yell	owish brow	n verv fine SA	ND. some	silt. Sliahtly	dense.
8-10	24/15			2.5	7	9			dry, well sorte		,	,		,
					7	4.0								
					8 4	10		Р	0-15" Pale yell	owich brown	o vory fino SA	ND como	cilt trace oo	bbloc
10-12	24/15			2.8	7	11	— ^ა		Slightly dense					DDIES.
					7				enginiy dienee	,,,			.9.	
					8	12								
10.11	04/40			2.7	4 6	10	SI	M	0-16" Moderat	e yellowish	brown very fin	e SILTY S	AND. Dense	, moist,
12-14	24/16			2.7	9	13			well sorted.					
					13	14								
					11		SI		0-7" Moderate	yellowish b	rown very fine	SILTY SA	ND. Dense,	moist,
14-16	24/7			3.1		15			well sorted.					
					15 21	16								
					10	10	sı	М	0-19" Moderat	e vellowish	brown verv fin	e SILTY S	AND. Dense	. moist.
16-18	24/19			4.7	11	17	─ Ĕ		well sorted. So				WVD. DONOC	, 1110101,
					12						-			
					14	18			0.40 14	o volleviis!	h was a real or a " . " . " . " . " . " . " . " . " . "	- OII TV O	AND Date :	maiat
18-20	24/18			5.6	11 6	19	51	М	0-18" Moderat well sorted.	e yellowish	brown very fin	ie SILTY S	AND. Dense	, rnoist,
10-20	Z -1 /10			5.0	7	19			well solleu.					
					9	20								
						[

Driller:

07/06/2010

Chad Chism

Joseph Sawicki

Summit Site Services

Logged by:

Drilling Contractor:

									Job. No.	Client:			Location:	
	A ®	FA Fn	gineering, S	cience	a .						County DEP		Gude Landfill	
		and [*]	Technology:		,				Drilling Method:				Boring No.	
EA Engineer and Technol	ing, Science ogy, Inc.	9,											MW-12	
		LO	G OF SOIL	/ROC	K BORIN	NG			Sampling Met	hod:	o Colit Cocco		Chast 0 of	0
Coordina										Continuou	s Split Spoons		Sheet 2 of	2
Surface									Motor Lovel		ī			ling
Casing E Reference									Water Level Time	_			Start	Finish
Reference									Date				1244	1432
110101011	, D 000.								Reference				7/6/10	7/6/10
Sample	Inches	Dpth.	Sample	PID	Blows	Depth		USCS	Surface Cond	itions:	Asphalt	•		
Type	Drvn/In.	Csg.	No.	ppm	per	in		Log			•			
	Recvrd				6 in.	Feet								
			Gude-MW12					SM	0-20" Moderat	te yellowish	brown very fin	e SILTY S	AND. Very d	ense,
20-22	24/20		-SO-20-22	5.7		21			moist, well so	rted. Brown	staining 18-20)"		
			Dup-4			22								
						22		SM	0-16" Moderat	ta vallowish	brown very fin	ο SII TV S	AND Very d	onco
22-24	9/16			7.5		23		Civi	moist, well so		I DIOWII VCI y III	ic oil i o	ravb. very a	C1130,
									, , , , , , , , , , , , , , , , , , , ,					
						24								
								SM	0-12" Moderat	te yellowish	n brown very fin	ne SILTY S	AND. Very d	ense,
24-26	17/12			5.1		25			moist, well so	rted.				
						00			End of Boring	- 25 feet				
						26								
						27								
						28								
						29								
						30								
						30								
						31								
						32								
						_								
						33								
						34	H							
						34								
						35								
					_	36								
						37								
						38	\vdash							
						30	\vdash							
						39								
						40								
							Ш							
						41								

Driller:

07/06/2010 Chad Chism

Logged by:

Drilling Contractor:

Joseph Sawicki

										lor .				
	■ ®								Job. No.	Client:			Location:	
			gineering,		ce,					Montgomery	•		Gude Landfill	
			Technolog	y, Inc.					Drilling Method:	Hollow Ster	m Auger		Boring No.	
EA Engineer and Technol	ıııg, əcience ogy, İnc.				N/ B 6 5	NO.			0 !				MW-13A	
Coordina	otoo:	LC	G OF SOI	L/RO(K ROK	ING			Sampling Met	nod:	Split Spoons		Shoot 1 of	2
Coordina										Continuous	Spiil Spooris		Sheet 1 of	2
Surface											·			lling
Casing E									Water Level				Start	Finish
Reference									Time	-				
Reference	ce Desc:								Date				1007	1142
Camanla	la ala a a	ID4l-	0	DID	Diama	Dande		1000	Reference	<u> </u>	Tanasil		6/25/10	6/25/10
Sample	Inches Drvn/In.	Dpth.	Sample	PID	Blows	Depth	1 1	USCS	Surface Condi	itions:	Topsoil			
	Recvrd	Csg.	No.	ppm	per 6 in.	in Feet		Log						
	Recviu					геец		014	0.04#.84		C - OIL TV O	AND to		
0.0	04/04			0.0	7	_	-	SM			y fine SILTY S	AND, trace	e cobbles. D	ense,
0-2	24/21			0.0	12	1	-		dry, well sorte	d. Large roc	K from 11-14".			
					11	2								
					11 7	2		CNA	0 11" Madarat	a braura ram	v fine CILTY C	AND troo	bbloo D	
2-4	24/11			0.0	6	2	_	SM	dry, well sorte		y fine SILTY S	AND, trace	e cobbies. D	ense,
2-4	24/11			0.0	6	3	_		dry, well softe	u.				
					7	4		ML						
			O		4	4		IVIL	0-10" Poddich	brown fino	SANDY SILT, I	little cobbl	os Donso r	noiet
4-6	24/19		Gude-MW13A	7.4	5	5	-		moderately we		SANDI SILI, I	ittle coppi	es. Dense, i	iioisi,
4-0	24/19		SO-4-6	7.4	5	5			moderately we	eli sorteu.				
					6	6	-							
					6	O		ML	0-15" Poddich	brown fino	SANDY SILT, I	little cobbl	os Donso v	ory moist
6-8	24/15			1.2	7	7		IVIL	moderately we		SANDI SILI, I	ittle coppi	es. Delise, v	ery moist,
0-0	24/13			1.2	5	'			illouerately we	sii sorteu.				
					5	8								
					4	U		ML	0-8" Reddish k	orown fine S	ANDY SILT, lit	tle cobble	e Dense ve	ry moist
8-10	24/17			6.7	4	9		IVIL	moderately we		AND OLI, III	tic coppic.	3. Del130, ve	Ty Tholat,
0 10	2-1/11			0.7	3	J		SM			brown very fine	SII TY S	AND Dense	wet
					3	10		Oivi	well sorted.	o yollowion	brown vory mic	, OIL 1 1 O	TIVE. DONOC	, wot,
					3			ML		orown fine S	ANDY SILT, lit	tle cobble	s Dense ve	ry moist
10-12	24/17			3.3	3	11			moderately we	ell sorted	7 (17) 1 (1) (1)		o. Donoo, vo	ary molec,
10 12				0.0	2			ML	8-17" Pale vel	lowish brow	n very fine SAN	NDY SILT.	Slightly den	se. wet.
					3	12			well sorted. Li	ttle dark org	anic staining.		Girginity Geri	,,
					2			ML	0-8" Reddish l	prown fine S	ANDY SILT, lit	tle cobble	s. Dense. ve	rv moist.
12-14	24/15			1.5	1	13		_	moderately we		, ···		,	,,
					2			ML			n very fine SAN	NDY SILT.	Slightly den	se, wet,
					2	14			well sorted. Li					. ,
					2			ML			ANDY SILT, lit	tle cobble	s. Dense, ve	ry moist,
14-16	24/20			3.0	2	15			moderately we	ell sorted.				
					1			ML	6-20" Pale yel	lowish brow	n very fine SAN	NDY SILT.	Slightly den	se, wet,
					2	16			well sorted.		•			
					2			ML	0-21" Pale yel	lowish brow	n very fine SAN	NDY SILT.	Loose, very	wet,
16-18	24/24			1.6	4	17			well sorted.		-		· · · · · · · · · · · · · · · · · · ·	
					5			ML	21-24" Dusky	brown very	fine SILTY SAN	ND. Dense	, moist, well	sorted.
					5	18								
					4				No Recovery.	Soils very w	et and loose.			
18-20	24/0				2	19								
					5									
					5	20								
					_									

Driller:

06/25/2010

Chad Chism

Logged by:

Drilling Contractor:

Joseph Sawicki

	8									Client:			Location:	
	$ \wedge $		gineering							Montgomery	•		Gude Landfill	
EA Engineer and Technol	ing, Science		Technolo	gy, In	C.				Drilling Method:	Hollow Ster	m Auger		Boring No. MW-13A	
		LC	G OF S	OIL/R	оск во	RING			Sampling Meth					
Coordina										Continuous	Split Spoons		Sheet 2 of	2
Surface														lling
Casing E									Water Level				Start	Finish
Reference		tion:							Time	-			4007	44.40
Reference	ce Desc:								Date Reference				1007 6/25/10	1142 6/25/10
Sample			Sample		Blows	Depth		USCS	Surface Condi	tions:	Topsoil			
	Drvn/In.	Csg.	No.	ppm	per	in		Log						
	Recvrd				6 in.	Feet								
00.55	0.4/0.0				4			SM	0-9" Dusky bro	own very fine	e SILTY SAND	D. Moderate	ely dense, w	et,
20-22	24/20			2.1	5	21		0.5	well sorted.	a coella 1919		- 0440 "	ul!!(\ \ / ·	-1
					9 10	20	\vdash	SP	9-20" Moderate		brown very fin	e SAND, lit	ttie silt. Very	aense,
					7	22	\vdash	SP	moist, well sor 0-12" Dark bro		SAND little	oilt Extrom	oly donce	
22-24	24/13			1.1	6	23	\vdash	32	slightly moist,	well sorted	SAND, IIIIE	sııı. ⊏xtrem	ery defise,	
22-24	24/13			1.1	7	23		SP	12-13" White v		ND little silt a	nd clay tra	ce medium	to
					8	24	H	01	coarse sand. S				ico modium	
					7	2-7		SP	0-8" White ver				medium to	
24-26	24/15			1.3	5	25			coarse sand. S					
-					5			SP	8-12" Dark bro	wn very fine	SAND, little	silt. Extrem	ely dense,	
					5	26			slightly moist,	well sorted.				
								SP	12-14" White v				ce medium	to
						27			coarse sand. S					
								SP	14-15" Dark br		ne SAND, little	silt. Extrer	mely dense,	
						28			slightly moist,					
						20	\vdash		End of Boring	- 26 feet				
						29	\vdash							
						30	H							
						30	\vdash							
						31								
						32								
						33								
						34	Ш							
						35	\vdash							
						ათ	\vdash							
						36	H							
						30	\vdash							
						37								
						38								
						39								
						40								
						4.4	\square							
						41								

Driller:

06/25/2010

Chad Chism

Logged by:

Drilling Contractor:

Joseph Sawicki

									Job. No.	Client:			Location:	
	A ®	FA Fn	gineering, S	Science	2					Montgomery	County DEP		Gude Landfill	
					٠,					Hollow Ste	·		Boring No.	
EA Engineer and Technol	ing, Science		Technology	, IIIC.					Drilling Method:	Air Rotary			MW-13B	
		LC	G OF SOIL	/ROC	K BORIN	NG			Sampling Met	hod:				
Coordina										Continuou	s Split Spoon	S	Sheet 1 of	3
Surface														lling
Casing E									Water Level				Start	Finish
Reference									Time	-				
Reference	ce Desc:								Date				1324	1156
									Reference				6/25/10	6/29/10
Sample			Sample	PID	Blows	Depth			Surface Cond	itions:	Topsoil			
	Drvn/In.	Csg.	No.	ppm	per	in		Log						
	Recvrd				6 in.	Feet								
					6			SM	0-12" Modera	te yellowish	brown fine S	<u>ILTY SAND,</u>	trace coars	e sand.
0-2	24/12			47	6	1			Dense, dry, w	ell sorted.				
					7									
					9	2		014	0.40" M. L.		1	II TV OAND		
0.4	04/47		Gude-MW-13B	77	3	2	\blacksquare	SM	0-10" Moderat		brown fine S	ILIY SAND,	trace coars	e sand.
2-4	24/17		SO-2-4	77	4	3	\blacksquare	N 41	Dense, dry, w		NI T little ver	· fine cond	Olimbalı dana	o des
					5 5	4	-	ML	10-17" Modera well sorted.	ate brown s	sici, iillie very	/ line sand. 3	Slightly dens	e, ary,
					4	4		SM	0-10" Modera	to vallowich	brown fine C	II TV CAND	traca coore	o cond
4-6	24/20			24	5	5	\blacksquare	Sivi	Dense, dry, w		i biowii iiile 3	ILIT SAND,	trace coars	e sanu.
4-0	24/20			24	7	J		SM	10-20" Moder		h hrown verv	fine SANDY	'SILT trace	coarse
					9	6		OIVI	sand and grav	el Dense	moist well so	irted	OILT, trace	Coarse
					4	U		SM	0-13" Modera	te vellowish	hrown very fi	ne SANDY :	SILT trace o	narse
6-8	24/13			16	5	7		Civi	sand and grav				0121, 11400	odioc
- 0 0	2 1/ 10				5				cana ana grat	701. D01.00,	1110101, 11011 00	itou.		
					6	8								
					3			SM	0-12" Modera	te vellowish	brown very fi	ne SANDY :	SILT, trace o	oarse
8-10	24/17			29	3	9			sand and grav				•	
					3			SP	12-17" Modera	ate yellowis	h brown very	fine SAND,	some silt. M	oderately
					3	10			dense, moist,					
					2			SM	0-7" Moderate				ILT, trace co	arse
10-12	24/13			24	2	11			sand and grav	vel. Dense,	moist, well so	rted.		
					3			SP	7-13" Modera			ne SAND, s	ome silt. Mo	derately
					4	12			dense, moist,					
40.44	0.4/4.0				2	4.0		SP	0-12" Modera			ne SAND, s	ome silt. Mo	derately
12-14	24/13			26	2	13	\blacksquare	CN4	dense, moist,			liabth, dan -		llour
					2	4.4	\blacksquare	SM	12-13" White	very line SA	ANDY SILI. S	nigritiy dense	e, very moisi	., well
					2	14	H	SM	sorted. 0-14" Modera	ta vallawich	brown yory fi	na SII TV S	AND Moder	ataly
14-16	24/17			30	4	15	-	SIVI	dense, wet, w		i biowii veiy ii	IIE SILIT SI	TIND. MOUEL	ai c iy
14-10	24/17			30	2	13		SP	14-17" Dusky		SAND some	silt little coa	arse sand S	liahtly
					5	16		Oi	dense, wet, w		O/ (IVD, SOITIC	Siit, iittic cot	arse saria. O	ngritty
					2	.0		ML	0-13" Dusky b		some very fir	ne sand. Slic	htly dense.	wet. well
16-18	24/13			29	3	17			sorted. Little b				,, 4011001	3., 011
					5									
					6	18								
					3			ML	0-18" Dusky b	rown SILT,	some very fir	ne sand. Slig	htly dense,	wet, well
18-20	24/18			25	4	19			sorted. Little b					
					3									
					4	20								

Driller:

6/25/10-6/29/10

Chad Chism

Logged by:

Drilling Contractor:

Joseph Sawicki

										Ol: 1				
	8									Client:			Location:	
			gineering							Montgomery			Gude Landfill	
			Technolo	ogy, In	C.					Hollow Ster	n Auger		Boring No.	
EA Engineer and Technol	ing, Science ogy, Inc.	٠,								Air Rotary			MW-13B	
		LC	G OF S	OIL/R	оск во	RING			Sampling Meth					
Coordina										Continuous	Split Spoons		Sheet 2 of	3
Surface	Elevatior	า:											Dril	ling
Casing E	Below Su	rface:							Water Level				Start	Finish
Reference		ion:							Time					
Reference	e Desc:								Date				1324	1156
									Reference				6/25/10	6/29/10
Sample			Sample	PID	Blows	Depth		USCS	Surface Condi	tions:	Topsoil			
	Drvn/In.	Csg.	No.	ppm	per	in		Log						
	Recvrd				6 in.	Feet								
					6			ML	0-22" Dusky bi					
20-22	24/22			19	7	21			(very wet 0-6")	, well sorted	d. Little black/	organic sta	ining.	
					9									
					10	22								
					6			ML	0-18" Dusky b		ittle fine to co	arse sand.	Dense, wet,	
22-24	24/18			24	9	23			moderately we	II sorted.				
					15									
					18	24			0.40" D I I.	OUT		I M. I	.1 1	
04.00	04/40			40	4	0.5		ML	0-18" Dusky b		some fine san	d. Moderat	ely dense, w	et,
24-26	24/18			19	9	25			moderately we	ii sortea.				
					10	200								
					12 9	26		SP	0-20" Dark bro	wn (white 0	12"\ von tine	CAND oo	ma ailt Dan	no moiat
26-28	24/20			27	14	27		SP	well sorted.	wii (wiiile o	-12) very line	SAND, SO	me siit. Den	se, moist,
20-20	24/20			21	14	21			well softed.					
					16	28		SP						
					4	20	Н	OI	0-13" Dark bro	wn (white 1	1-13") very fir	a SAND a	ome silt. De	nee moiet
28-30	24/13			32	6	29			well sorted.	WII (WIIIC I	1 10 / VCI y III	ic 0/114D, 3	orne sin. De	130, 1110131,
20 00	2-1/10			02	6	20			won dorted.					
					7	30								
					7			SP	0-15" Dark bro	wn and whi	te verv fine S	AND, some	silt. Dense.	moist.
30-32	24/15			31	9	31			well sorted.		<u>j</u>	, , , , , , , , , , , ,		
					9									
					10	32								
					9			SP	0-17" Dark bro	wn and whit	te very fine S	AND, some	silt. Dense	
32-34	17/17			28	15	33			(very dense 10)-17"), moist	t, well sorted.			
					50\5									
						34								
										NO RECO\	/ERY			
34-36	24/0					35								
						36								
36-38	24/0					37				NO RECO\	/ERY			
							Щ							`
						38	Ш							
					10			SM	0-10" Moderate			_TY SAND,	trace coars	e sand.
38-40	24/22			21	19	39		0-	Slightly dense,	wet, well so	orted.			
					38		Щ	SP	10-22" Modera		brown very f	ine SAND,	little silt. Ver	y dense,
					45	40			moist, well sor	ted.				

Driller:

6/25/10-6/29/10

Chad Chism

Logged by:

Drilling Contractor:

Joseph Sawicki

EA Engineering, Science, and Technology, Inc.															
Semple Inches Type Dryntin Cog No. Dryntin Dryntin Cog No. Dryntin Dryntin Cog No. Dryntin Dryntin Cog No. Dryntin		8									Client:	_		Location:	
April Coordinates: Coordinates		$\boldsymbol{\Lambda}$													
Log of Solurock Bornog				Technolo	gy, In	C.			Drilling I	Method:		m Auger			
Log of Solurock Bornog	EA Engineer and Technol	ing, Science ogy, Inc.	θ,											MW-13B	
Surface Elevation: Reference Elevation: Re			LC	G OF S	OIL/R	оск во	RING		Sampl	ing Met	hod:	0 12 0		01	
Casing Bellow Surfaces											Continuous	Split Spoon	S		
Reference Elevation: Reference Desc: Time															
Date Reference										Level				Start	Finish
Sample Inches Doth Drivn'in. Csg. No. Depth Drivn'in. Csg. No. Depth PiD Piper 6 in. Feet Sample PiD Piper Pip											-				
Type	Reference	ce Desc:								ence					1156 6/29/10
Type	Sample	Inches	Dpth.	Sample	PID	Blows	Depth	USC			itions:	Topsoil			
Recvrd				-		per	-					•			
40-42		Recvrd				6 in.	Feet								
1						10		SP	0-20" [Moderat	e yellowish	brown very f	ine SAND, li	ttle silt. Very	dense,
1	40-42	24/20			11		41		moist,	well so	rted.				
16															
42-44 17/24 16							42								
SM	40	47/2/			4.5			SP			e yellowish	brown very f	ine SAND, li	ttle silt. Den	se, moist,
Met. poorly sorted.	42-44	17/24			16		43				OII TY	04115			
44-46 23/16						50/5	,,	SM				SAND and v	veathered be	earock. Dens	se,
44-46 23/16 12 34 45 34 46 46 46 46 46 46 46 46 46 48 44 47 48 47 48 47 48 49 <						27	44					2 A NID 22 d	oothorod b -	drook little -	lov
A6-48	44.46	22/46			10		15	SIV					eathered bed	arock, little c	iay.
March Marc	44-40	23/10			12		45		very u	iense, n	ioist, poorty	sorieu.			
46-48							46								
46-48 4/4							40	SM	0-14" [Dark bro	own SII TV	SAND and we	eathered her	drock Extrem	mely
A	46-48	4/4			18	50/4	47						Janiorea Del	ALOUN. LAUGI	поту
Rock Rock Rock Rock Rock Rock Rock Rock	.5 40	1,-1							451166	, ongridy	o.ot, poo	, 00.100.			
Rock Rock Rock Rock Rock Rock Rock Rock							48		Split S	poon S	ampling Dis	continued- 47	7 feet		
60							49		Rock						
60															
							50								
80							60								
80															
90 End of Boring - 95 feet End of Boring							70								
90 End of Boring - 95 feet End of Boring							90	_							
End of Boring - 95 feet 100 110 120 130 140 150							80								
End of Boring - 95 feet 100 110 120 130 140 150							90								
100							90		End of	Boring	- 95 feet				
110							100		Liid Oi	Bonnig	30 1001				
120							,00								
120							110								
130 140 150 150 150 160 160 160 160 160 160 160 160 160 16															
130 140 150 150 150 160 160 160 160 160 160 160 160 160 16							120								
140 150 150															
140 150 150							130								
150															
							140								
Note: Denth Scale Changes to 10 foot Intervals at 50 feet							150								
■ ■ ■ ■ ■ ■ 160■ ■ Note: Depth Scale Changes to 10 foot Intervals at 50 feet											1 6:			50 ()	
Note: Beptin deale changes to reflect intervale at our feet.							160		Note:	∪epth S	cale Chang	es to 10 foot	Intervals at	50 teet.	

Driller:

6/25/10-6/29/10

Chad Chism

Logged by:

Drilling Contractor:

Joseph Sawicki



FIELD RECORD OF WELL DEVELOPMENT

Well Designation	MW-1	LB		Project Name 6	sude Land	Ifell .
Condition	Good	/New		Project Location	Rock	ville, MD
Well Grout Date	06/0	4/10		Developer Initials	B	K/TS
Well Installation Date	06/0	ilio		Well Developmen	t Date 07/0	7/10
Gauge Date	07/0	7/10		Gauge Time	093	0
Sounding Method	water leve	el indicator		Measurement Ref.	top of PV	C
Stick up/down (ft)	2	2'		Well Diameter	2	et .
Static Water Level	5	3'		Screen Length	20	"
Development Time	90	mins.	is a			
Surge Device	Punp C	2v (Super Tu	vister)			
Weather	Sun	ny 295	-0 F	2	-	A
		,				
Well Volume Determ	ination:			28.		
A. Well Depth		98.0'				
B. Depth to Water		53.0'				
C. Liquid Depth (A	-B) (ft)	45.0				
D. Well Volume/ft		7.33 x 3	3 = 22 galle	ns		
E. Liquid screen ler	ngth (ft)	20'				
	Beginning	1	2	3	4	5
		A second	A CONTRACTOR OF THE PARTY OF TH			
Surge Time (min)	0940	1010	1040	1110		
Surge Time (min) Pump Rate (gpm)		1010	1040			
Pump Rate (gpm)	1.10 gpm	1.10		1110		
Pump Rate (gpm)		1.10	1.10			
Pump Rate (gpm) Volume purged	1.10 gpin 10 gallens	1.10 30 328	1.10	1-10 70 8.6		
Pump Rate (gpm) Volume purged	1.10 gpm 10 gallans 474 5.76	1.10 30 328 5.63	1.10 50 67.6	1-10 70 8.6 5.75		
Pump Rate (gpm) Volume purged Turbidity (NTU)	1.10 gpm 10 gallas 474	1.10 30 328	1.10 50 67.6	1-10 70 8.6		
Pump Rate (gpm) Volume purged Turbidity (NTU)	1.10 gpm 10 gallans 474 5.76	1.10 30 328 5.63	1.10 50 67.6	1-10 70 8.6 5.75		
Pump Rate (gpm) Volume purged Turbidity (NTU)	1.10 gpm 10 gallans 474 5.76	1.10 30 328 5.63	1.10 50 67.6	1-10 70 8.6 5.75		
Pump Rate (gpm) Volume purged (and) Turbidity (NTU) PH Temp. (°C)	1.10 gpm 10 gpllps 474 5.76 18.28	1.10 30 328 5.63 18.29	1.10 50 67.6 5.90 17.47	1-10 70 8.6 5.75		
Pump Rate (gpm) Volume purged Turbidity (NTU)	1.10 gpm 10 gallans 474 5.76 18.28	1.10 30 328 5.63 18.29	1.10 50 67.6 5.90 17.47	1-10 70 8.6 5.75 17.82		
Pump Rate (gpm) Volume purged Turbidity (NTU) PH Temp (°C) Total volume of wate Estimated Recharge I	1.10 gpm 10 gnllps 474 5.76 18.28	1.10 30 328 5.63 18.29	1.10 50 67.6 5.90 17.47	1-10 70 8.6 5.75 17.82	velopment: ν /	14
Pump Rate (gpm) Volume purged Turbidity (NTU) PH Temp. (°C) Total volume of water Estimated Recharge In Depth to sediment be	1.10 gpm 10 spllps 474 5.76 18.28 r removed (gate: fore developm	1.10 30 328 5.63 18.29 al): ≈ 70 ment: N/A	1.10 50 67.6 5.90 17.47	1-10 70 8.6 5.75 17.82	velopment:	<i>A</i>
Pump Rate (gpm) Volume purged Turbidity (NTU) PH Temp (°C) Total volume of wate Estimated Recharge I	1.10 gpm 10 spllps 474 5.76 18.28 r removed (gate: fore developm	1.10 30 328 5.63 18.29 al): ≈ 70 ment: N/A	1.10 50 67.6 5.90 17.47	1-10 70 8.6 5.75 17.82	velopment:	A



FIELD RECORD OF WELL DEVELOPMENT

Well Designation Condition Well Grout Date Well Installation Date Gauge Date Sounding Method Stick up/down (ft) Static Water Level Development Time Surge Device Weather	e	A New 28/10 el indicator 1" 27 Croschus Separtu My 900F	ester)	Project Name	ss	11/16, MD 15K 1/08/10 150
Well Volume Determ	ination:	: 5				
A. Well DepthB. Depth to WaterC. Liquid Depth (ADD. Well Volume/ftE. Liquid screen lend		78.06 61.36 16.70 2.72 × 3	= 8.2 gallon	\$		
	Beginning	1	2	3	4	5
Surge Time (min)	0915	0930	0945	1000	1085	1045
Pump Rate (gpm)	0.25	0.25	0.25	20.25	≈0.25	20.25
Volume purged	3.75	7.5	11.25	≈15.00	≈18.75	≈26.25
Turbidity (NTU)	71000	118	827	43.5	23.9	6.96
pH	5.42	5.55	5.90	5.26	5.33	5.35
Temp. (°C)	18-87	18-61	18-80	19.00	19.36	19.51
DTW	65.50	66-20	NIR	65.72	65.88	
Total volume of wate Estimated Recharge F Depth to sediment be Total Surging Time:	Rate: fore developr 25 mins			fand Bitton sediment after de	evelopment:	YR



FIELD RECORD OF WELL DEVELOPMENT

Well Designation Condition Well Grout Date Well Installation Date Gauge Date Sounding Method Stick up/down (ft) Static Water Level Development Time Surge Device Weather	06/17 07/0 water leve 33.3 60.	7/10 7/10 1 indicator 25 "	e vister)	Project Name Project Location Developer Initials Well Development Gauge Time Measurement Ref. Well Diameter Screen Length	t Date	ile,MD 175 17/10 140
A. Well Depth B. Depth to Water C. Liquid Depth (A D. Well Volume/ft E. Liquid screen ler	-B) (ft)	110.51 60.18 9.33 8.20 ×3 = 20'	24.6 gallons			
	Beginning	1	2	3	4	5
Surge Time (min) Pump Rate (gpm) Volume purged	1250 0.50 5	0.50 25	1400	1430 0.50 55	,	
Turbidity (NTU)	16.3	25.3 5.30	11.4	6.22	-	
Temp.(°C)	23.05	18.91	5.23 R.35	5.21 /7.34		
Total volume of wate Estimated Recharge I Depth to sediment be Total Surging Time:	Rate: fore developm 30 mins	nent: //0-5	Depth to			0.51



Well Designation)	Project Name_ 4	sode i	landt	ell
Condition	Good	/New		Project Location		Rockvill	e, MD
Well Grout Date			,)	Developer Initials	S	BK	
Well Installation Date	e						8/10
Gauge Date	07	68/10		Gauge Time		133	30
Sounding Method		el indicator	,]	Measurement Re	f.	top of PVC	
Stick up/down (ft)	7	14"		Well Diameter		2	et .
Static Water Level	9.	84	;	Screen Length		20) '
Development Time	90.	ning					
Surge Device	Rmp	12 Projet	Twister)				
Weather	50	nny 95	0	2			
						6	
Well Volume Determ	ination:			*			
						1	
A. Well Depth		25,63/	25.63				× 3
B. Depth to Water		9.84				*	WI
C. Liquid Depth (A	-B) (ft)	15.79					
D. Well Volume/ft		2.57×3	= 7.72 gallow	25			
E. Liquid screen ler	ngth (ft)	20'					
	Beginning	1	2	3	4	ı	5
Surge Time (min)	1345	1350	1415	1430	150	0	*
Pump Rate (gpm)		×1.15	1-2 gom	1-2 pm	1-2		
Volume purged	17.5	23.25	≈ 35	55	65		-
Turbidity (NTU)	71000	>1000	718	840	147		
0H	5.58	5.31	5-33	5.30	5.3		
Temp. (%)	15.40	15.80	15.85	15.92	15.9	5	
Driv	22.57	Atpup	At Pine	At pump	Atpr	np	
			- 30				
Total volume of wate		al): <u>65</u>					
Estimated Recharge I		751	The same of the sa	Hand Botton			
Depth to sediment be			5 Depth to-	sediment after de	velopme	nt: 25.	63
Total Surging Time:	25 mins	_					
			1				
Development Descrip	otion: 1355	-1400 pm	up stopped s	so well can	vech	rage a	red



Well Designation Condition Well Grout Date Well Installation Date Gauge Date Sounding Method Stick up/down (ft) Static Water Level Development Time Surge Device Weather Well Volume Determ	e o7/0 water leve	(Deep) (/New 09/10 el indicator 63 00 mins	F C N V S	Project Name Project Location Developer Initials Well Development Gauge Time Measurement Ref Well Diameter Screen Length	at Date 07/6 top of PY	11/2 MIS 109/10	
A. Well DepthB. Depth to WaterC. Liquid Depth (A	-B) (ft)	88-12	97.02 (07) 24.57 (01) 72.45 (07)	115/10) WE 5/10) 15/10)	iell Vdune/Et	== 1.81 +; (07/15	3 = 35.43 (10)
D. Well Volume/ftE. Liquid screen ler	ngth (ft)	14.36 × 3	= 43.10				
	Beginning	107/09	2 00/10-	3	4	5	7
Surge Time (min)			01/15				
Pump Rate (gpm)	0900	0905	1145				-
	210	0.5	<0.25				_
Volume purged	5-7	10	40				
Turbidity (NTU)	NIR	>1000	368				
pH	NIR	5.35	5.41				
Temp .C	NIR	16.64	18.14	-			
v				7.1			
Total volume of water removed (gal): 10-12 gallons (01/04/10) 40 gallons (01/15/10) Estimated Recharge Rate: Hand Botton Depth to sediment before development: 46.75 Depth to sediment after development: N/R Total Surging Time: 10 mins Development Description: Rmp on \$\infty\$ 0853 Davelopment stopped pump unable to lift uniter. TW \$\infty\$ 65' (Rmp \$\infty\$ 85').							
07/15/10/ Development Reserved using oir litting method. Our 0915.							
Distance to well from compressor approx. 180' Air floring but water not							
being produced. Height of triming piperaised 6" and water produced							
On again @ 0950 flow very low compared to previous wells developed with air lifting							
2		145	ell dow				,



Well Designation	e OTHE water level 6 - 95 Pump Sun	54	Trister)	Project Name Go Project Location Developer Initials Well Development Gauge Time Measurement Ref. Well Diameter Screen Length	t Date 07/	cville, MD BK 115/10
A. Well DepthB. Depth to WaterC. Liquid Depth (AD. Well Volume/ftE. Liquid screen lend		27.88 6.54 21.34 3.48+3	= 10.44		×	4
	Beginning	1	2	3	4	5
Surge Time (min)	1045	1145	1200	1205	:	
Pump Rate (gpm)	2.5	2.5	2.5	2.5		
Volume purged	25	181175	212	225		
Turbidity (NTU)	7/000	41.4	17.1	8.24		
pH	NR	6.15	6.13	6.11		
Temp.(OC)	N/R	14:71	14.64	14.62		
Total volume of water Estimated Recharge I Depth to sediment be Total Surging Time: Development Descrip Sitty well bet	Rate: fore developm 40mins	nent: 27.8		Hand Bottom Sediment after dev		8.3



9.3 × 0.62=1.5 gallons 1.5 gallons/35 mintes = 0.043 gpm 0.043 gal = 0.163 lites = 163 ml/min



Well DesignationCondition Well Grout Date Well Installation Date Gauge Date Sounding Method Stick up/down (ft) Static Water Level Development Time	e	el indicator		Project Name R Project Location Developer Initials Well Developmen Gauge Time Measurement Ref Well Diameter Screen Length	nt Date <u>07/</u> top of P	ille MD BK 13/10	Afil
Surge Device	Timp 6	W Green Tu	rister)	· .			
Weather	1016	Rain She	ours, 85				
Well Volume Determ	nination:						
A. Well Depth B. Depth to Water C. Liquid Depth (A-B) (ft) D. Well Volume/ft Liquid screen length (ft) 255.50 13.71 2.71 2.71 2.71 2.71							
	Beginning	1	2	3	4	. 5	
Surge Time (min)	1135	1145	1200	1215	8	×	
Pump Rate (gpm)	1.17	1.3	1.3	1.3			
Volume purged	18	30	50	70	i e		
Turbidity (NTU)	71000	17.7	12.8	8.6			
pH	5.75	5.51	5.62	5.59			
Temp (oc)	15.56	15.63	15.62	15.64			
,		, .					
,							
Total volume of water removed (gal):							
	4		A STATE OF THE STA				

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Well DesignationCondition Well Grout Date Well Installation Dat Gauge Date Sounding Method Stick up/down (ft) Static Water Level Development Time Surge Device Weather	e O7/13	94 Alace Troactor	I V O N	Project Name Project Location Developer Initials Well Developmer Gauge Time Measurement Res Well Diameter Gereen Length	s nt Date	Roda	ille MD S/10 C 2"
Well Volume Determ	nination:						
A. Well DepthB. Depth to WaterC. Liquid Depth (AD. Well Volume/ftE. Liquid screen lend		32.49 22.94 9.55 1.56 × 3=1	4.67 gallons				
	Beginning	1	2	3	4		5
Surge Time (min)	1010	1015	1470	1425	Inth		
Pump Rate (gpm)	81/min 21 9pm	2 Union	2 Timin	24 min	24/m	in	
Volume purged	20	30	37	0.5 gpm	45	- Dan	
Turbidity (NTU)	>1000	453	30.4	16-5	7.4		
PH	5.81	5.30	5.34	5.44	5.40		
Temp. (oc)	15.55	17.11	17.28	17.04	17.12		
			DTW= 24.98		DTW=2	5.11	
Total volume of water removed (gal): 45 Estimated Recharge Rate: Depth to sediment before development: 22.94 pc Depth to sediment after development: 32.49 Total Surging Time: 20 wirs 32.49							
Development Descrip 305 pemp stepp Reclaryed again	sal-well	veeling	55 Well as	My Reduce	and a good slight	mal the	Sing@ 0901 dry. = 23'and



Well Designation	MW-9	-		Project Name	sude Land	dfill
Condition	61000	1 New		Project Location	Racki	rille MD
Well Grout Date	****			Developer Initials	E	K
Well Installation Dat	e			Well Developmen	nt Date 07/	09/10
Gauge Date	07/0	09/10		Gauge Time	120	00
Sounding Method	water leve	el indicator	£	Measurement Ref		/C
Stick up/down (ft)	Flu	sh Mount		Well Diameter	CONTRACTOR OF THE PERSON OF TH	211
Static Water Level		.21		Screen Length	2	0"
Development Time	70	Dmins				
Surge Device	Pinp	12v				
Weather	-Sun	my 950				
Well Volume Determ	aination:					
Well volume Determ	imation.					
A. Well Depth		24-11				
B. Depth to Water		18.21			-	
C. Liquid Depth (A	-B) (ft)	5.9				
D. Well Volume/ft	(~) (~)	0.96 × 3:	= 2.89 gall	ons		
E. Liquid screen les	ngth (ft)	201				
	Beginning	1	2	3	4	5
Surge Time (min)						
	1210	1235	1250	1305	1310	
Pump Rate (gpm)	61.0	41.0	61.0	61.0	41.0	
Volume purged	3 gal.	7	. 9	11	12	
Turbidity (NTU)	71000	615	220	17-3	7.7	
PH	6.39	5.86	5.88	5.85	5.91	
Temp.	17.31	24.86 Thus)	24.83	24.92	24.94	
					,	
*			-			
Total volume of wate		al):				
Depth to sediment be		nent 741	Danth to	Hard Bottom sediment after der	valonment. 2	
Total Surging Time:				scumentalier de	velopment: 24	
Total Surging Time:	Zuming	<u>.</u>				
Development Descrip	otion:			x =		N
Water level	Open	pintala	e. Flor	rate sporati	C. Pimp S	vaires.
Temp high du flor rate.) being in	sunau	ed sporation
, , , , ,						



Well Designation	N-10	Project Name Gude Le	med fill
Condition	Good/New	Project Location	Rockeille MD
Well Grout Date	And the second s	Developer Initials	BK
Well Installation Date	-	Well Development Date	07/12/10
Gauge Date	07/12/10	Gauge Time	1125
Sounding Method	water level indicator	Measurement Ref.	top of PVC
Stick up/down (ft)	F.M.	Well Diameter	2"
Static Water Level	7.55	Screen Length	20'
Development Time	120 mins		
Surge Device	Prop 12 (Spectista)		
Weather	Sunny 850		
Well Volume Determinat	tion:		
A. Well Depth	24.70		
B. Depth to Water	7.55		•
C. Liquid Depth (A-B)	(ft) 17.15		
D. Well Volume/ft	2.80 +3 = 8.40 99	llong	

	Beginning	1	2	3	4	. 5
Surge Time (min)	1140	1210	1225	1255	1300	133()
Pump Rate (gpm)	0. Harlin	1.5 Winite	0.4 god/min	0.54 min	1.00/min 0.26gal/min	1. Chlmin
Volume purged	12	24-25	30	32	33	41
Turbidity (NTU)	71000	>1000	>1000	631	287	45.9
PH	6.64	5.79	5.43	5.40	5.42	5.38
Temp. (OC)	16.97	15.29	15.16	15.17	15.22	15.26
A						

Total volume of water removed (gal): 4/ gallon's
Estimated Recharge Rate:
Depth to sediment before development: 24.70 Depth to sediment after development: 34.70
Total Surging Time: 20 mins
Development Description: Pump on 01/28 - 1/33 02 gpus; 1/33 > 1/40 to 1.5 1/min (0-0.4 gol/min) 1230 DTW opening intoke - stopped to pechange Restarted 0 12400 0.5 1/min > DTW-17 1300 Flow increased to 1.0 Ulmin 10.26 gol/min
1230 oth paring intake - stopped to recharge Restartel 0 1240:00 0.5 Whin > DTW- 17
1300 Flow increased to 1.0 Ulmin 10.26 gallmin



3 1.				34			
		4					
Well Designation	MW-11	A	P	Project Name Gude Landfill			
Condition	Good	1 New	P	roject Location	The second secon	ille MD	
Well Grout Date			Þ	eveloper Initials			
Well Installation Date	e		. 7	Vell Developmen	t Date	12/10	
Gauge Date	07/1	2/10	. G	lauge Time	084	15	
Sounding Method	water leve	el indicator		leasurement Ref.	top of PV	rc	
Stick up/down (ft)	Fo	M.	ν	Vell Diameter	-	2"	
Static Water Level	15	192	S	creen Length	_2	0'	
Development Time	120	mins,					
Surge Device	Permo 1	2 Super	Triste)				
Weather	5	my 80	90	-		-20	
Well Volume Determ	ination:						
A. Well Depth	8	29.43					
B. Depth to Water		15.92			•		
C. Liquid Depth (A	-B) (ft)	13.51	_				
D. Well Volume/ft		220 x3=	= 6.61 gallon	\$			
E. Liquid screen ler	igth (ft)	20'					
(Beginning	1	2	3	4	5	
Surge Time (min)	0930	1005	1020	1040	1 = 210	1100	
Pump Rate (gpm)	1.0-1.5		-		1045		
** 1		0.75 Um		1.04/min	1.00/min	1.04min	
(gal-)	9	17	25	30	31	35	
Turbidity (NTU)	>1000	71000	>1000	326	134	46-6	
pH	5.11	5.17	5.18	5.20	5.22	5.18	
Temp (oc)	13.22	13.17	14.21	13.88	14.01	14-12	
			-				

8	
Total volume of water removed (gal):	
Estimated Recharge Rate:	
Estimated Recharge Rate: Depth to sediment before development: Depth to sediment after development:	19.43 (Hard Bottem)
Total Surging Time: 25 mins	
*	
Development Description:	
Temp on @ 0900 - Will surger as 50-0900. Well pumped for 7-10 mine before of Approx 9 gallors verworth Pemp stopped to recharge Resemble which the restorted @ 0930 - Stopped @ 0938 (and needs recharge.) Approx ?	roing dry
Approx 9 gallons vermoned Pump stopped to rechange Resumed which	: DTW=20165-2000
Rup restorted 00930 - Stoppel @ 0938 (and needs redunge.) Approx;	8 galler venuel
0956- Surging Rosened 1005- Pomp Rosforted u/ Reduced flow Carll Ve	whe)



Well Designation Condition Well Grout Date Well Installation Date Gauge Date Sounding Method Stick up/down (ft) Static Water Level Development Time Surge Device Weather	Water level Fin 17- 100 in Arr lift Sunny	New 1/10 I indicator M. 1/3 News 1/8 1/850] ! ! ! !	Project Name Project Location Developer Initials Well Developmen Gauge Time Measurement Ref. Well Diameter Screen Length	t Date <u>07/</u>	Cfill ville MD BK 14/10 B10 VC 2" 0'
Well Volume Determ	ination:					
A. Well DepthB. Depth to WaterC. Liquid Depth (AD. Well Volume/ftE. Liquid screen lend		88.40 17.13 71.27 11.62×3	= 34.85 gallo	n- 4		
\	Beginning	1	2	3	4	5
Surge Time (min)	1405	1420	1430	1450		
Pump Rate (gpm)	1.8	1.8	1.8	1.8		
Volume purged	128	137	173	209		
Turbidity (NTU)	71000	243	178	3.3		
QH .	5.64	5.22	5.37	5.36		
Temp(oc)	13.63	13.49	13.56	13.58		
Total volume of water removed (gal):						



Well Designation/ Condition Well Grout Date Well Installation Date Gauge Date Sounding Method Stick up/down (ft) Static Water Level Development Time Surge Device Weather Well Volume Determ	e O7/0 water leve	el indicator	(rafe	Project Name	Pock	eville MD BK 0/09/10 320
A. Well DepthB. Depth to WaterC. Liquid Depth (AD. Well Volume/ft	-B) (ft)	24-65 14.24 10.41 1.70 × 3=	5.10			
E. Liquid screen les		20'	,			
- 1	Beginning	1	2	3	4	5
Surge Time (min)	1330	1340	1350	1400		
Pump Rate (gpm)	0.75-1.0	0.75-1.0	0.75-1.0	0.75-1.0		
Volume purged	10	20	30	40		
Turbidity (NTU)	>1000	168	34	4.2		
PH	5.60	5.17	5.24	5.29		
Temp.	17-36	18-11 Flow	18.26 There	18.18 Thing	NAME OF THE OWNER OF THE OWNER OF THE OWNER OF THE OWNER OF THE OWNER OF THE OWNER OF THE OWNER OF THE OWNER O	
					•	
Total volume of water removed (gal):						

Sgaller tally



Well Designation/Condition Well Grout Date Well Installation Date Gauge Date Sounding Method Stick up/down (ft) Static Water Level Development Time Surge Device Weather Well Volume Determ	water level 7.0 Fung l	16/10 el indicator 25 20 Proviction 20 Proviction 20 Proviction		Project Name	at Date 07/ 08/	kville, MD BK /16/10 25
A. Well Depth	6	26.72		*		
B. Depth to Water		7.05			-	
C. Liquid Depth (A-	-B) (ft)	19.67	9.63 gallon	- 6		
D. Well Volume/ft		20'	4.03 gallo			
E. Liquid screen len		1	2	3	4	Т
Compo Timo (min)	Beginning			3	4	5
Surge Time (min)	0837	0850	0900	0910	0915	
Pump Rate (gpm)	2.5	2.5	2.5	2.5	2.5	
Volume purged	60	-92	117	142	155	
Turbidity (NTU)	7/000	65.1	587	7.70	5.22	
PH	NIR	5.73	5,18	5.13	5.13	
Temp(oc)	NIR	1295	12.97	12.96	12-97	
,						
Total volume of water Estimated Recharge R Depth to sediment bet Total Surging Time: Development Descrip	Rate: fore developm JOmins	nent: <u>26.7</u>	2 Depth to			5.88



Well Designation Condition Well Grout Date Well Installation Date Gauge Date Sounding Method Stick up/down (ft) Static Water Level Development Time Surge Device Weather Well Volume Determ	water leve	(5/10 el indicator 18 -insis-surge B	lock	Project Name Project Location Developer Initials Well Development D Gauge Time Measurement Ref. Well Diameter Screen Length	Pate 67,	15/10 150
well volume Determ	manon:		3			
A. Well DepthB. Depth to WaterC. Liquid Depth (AD. Well Volume/ftE. Liquid screen len		97.45 5.98 91.47 14.91 × 3	:= 44.73		•	
	Beginning	1	2	3	4	5
Surge Time (min)	1410	1425	1430			
Pump Rate (gpm)	12	12	12			
Volume purged	55	235	295		*	
Turbidity (NTU)	43.8	13.4	9.93			
pH	7.11	6:32	6.29			
Temp (°C)	13.24	1271	12.73			
			- 6			
Total volume of water removed (gal): 295 Estimated Recharge Rate: #and Botton Depth to sediment before development: 97.45 Depth to sediment after development: 97.45 Total Surging Time: 15 mins Development Description: Compressor on C 1405. First dwn. fill 0 1410. 2nd c 1415.						



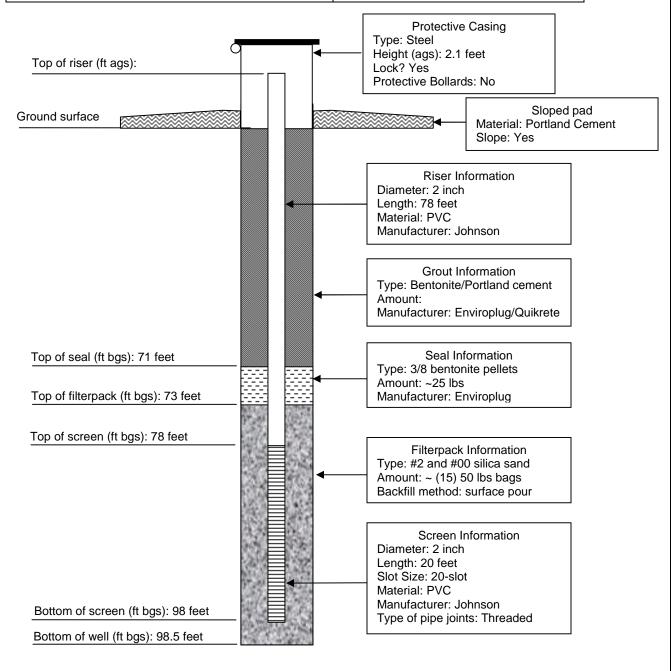
Well Designation	0802A			Project Name Gude L	and fill	
Condition	Good	Existing		Project Location	Rocku	ille MO
Well Grout Date	Water the same of			Developer Initials	\mathcal{B}	K
Well Installation Date	e			Well Development Date	07/12	2/10
Gauge Date	07/1	2/10	N	Gauge Time	141	
Sounding Method	water leve	el indicator		Measurement Ref.	top of PV	C
Stick up/down (ft)				Well Diameter		et .
Static Water Level	16-	75		Screen Length	20	*
Development Time	60 n	nins				•
Surge Device	Pemp 1	Le Groadae	rister)			
Weather	T-54	orms 8	50			i i
Well Volume Determ	ination:					
A. Well Depth		78.92				
B. Depth to Water		16.75			•	
C. Liquid Depth (A	-B) (ft)	62.17	20110 11	X.		
D. Well Volume/ft			:30.40 gall			
E. Liquid screen ler		20'	,	*	2 6	
	Beginning	1	2	3	4	5
Surge Time (min)	1445	1500	1515			*,
Pump Rate (gpm)	2.0	2.0	2.0			
Volume purged	20	50	80			
Turbidity (NTU)	17.1	2.38	1.86		4	
pH	6.48	6.44	6.18			
Temp (oc)	15.27	15.29	15.24			
,						
					.4.4.	
Total volume of wate Estimated Recharge I Depth to sediment be Total Surging Time: Development Descrip	Rate: fore developm 20 mins			Hord Botton pediment after development Let 2.0 godbac/minde	ent:78-	92



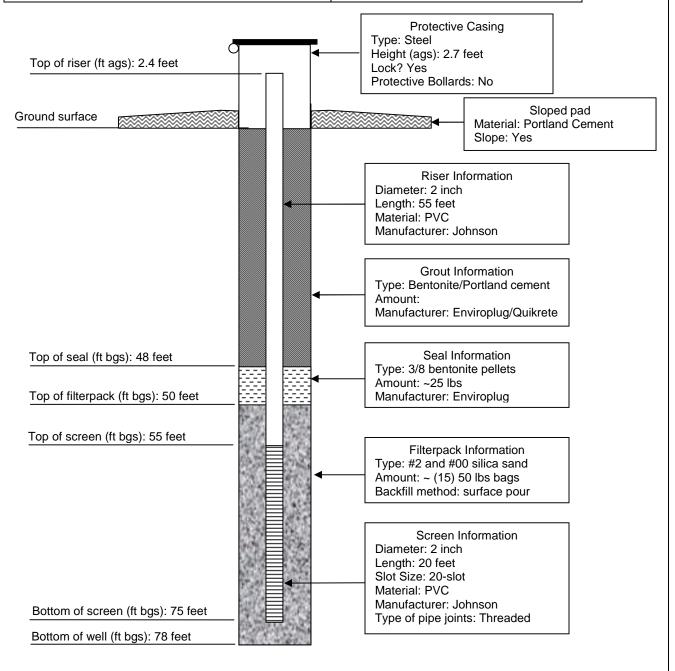
Well Designation 0803 Project Name Gale Landfill							
Condition	ondition Good/Bristing			Project Location	ville and		
Well Grout Date	-	· J		Developer Initials		315	y s
Well Installation Date	e			Well Developmen	t Date	14/10	
Gauge Date	07/19	\$/10		Gauge Time	_024	0 0930	
Sounding Method water level indicator Measurement Ref. top of PVC							
Stick up/down (ft)	-	· · · · · · · · · · · · · · · · · · ·		Well Diameter		7 4	
Static Water Level	22	79		Screen Length			
Development Time		nins					
Surge Device	Airlift	at Permo De	hovers 8	who have			
Weather	MIL	, Rain 5	honers 8	70°		A period	
Well Volume Determ	ination:					· · · · · · · · · · · · · · · · · · ·	
Wolf Volume Dolling	initiation.						
A. Well Depth		135.26					
B. Depth to Water	**	22.79			-		
C. Liquid Depth (A	-B) (ft)	112.47					
D. Well Volume/ft	2) (10)		: 55.0 gullon	15			
E. Liquid screen ler	neth (ft)	20°	,				
	Beginning	1	2	3	4	5	7
Surge Time (min)	Doguming				4	. 3	4
	1120	1130	1140				
Pump Rate (gpm)	2	2	2				
Volume purged	175	195	215				
Turbidity (NTU)	506	85.7	5.7				
OH-	6.97	5.67	5.66				
Temp (OC)	15.05	15.04	15.08				
11-1							
			<u> </u>				
Total volume of wate	r removed (ga	al): <u>215</u>					
Estimated Recharge I	Rate:	Car Street, of the Contract of		Reldon			
Depth to sediment be	fore developn	nent: 135-5	Depth to	o sediment after dev	velopment: 138	:45	
Total Surging Time:	30 mins				A PILA		
				Air on Co	1000	. 4 5	
Development Descrip	tion: 0803	4 DTB =	= 96.75)	Air liffing &	& Schnerst	c purp.	
being sel to			rell (Ar	- lifting fille	d Idn	- in 8-10	ming, 559
3rd Stran Cill	=>1000 el in 12	MIUS) 0	and der	o Ebnersible	offer 2nd	den	
filled wair lit		01		DTB after air li	Airg= 138,45	51	
Subrersible on	Subransible on @1115						

MAN IMA

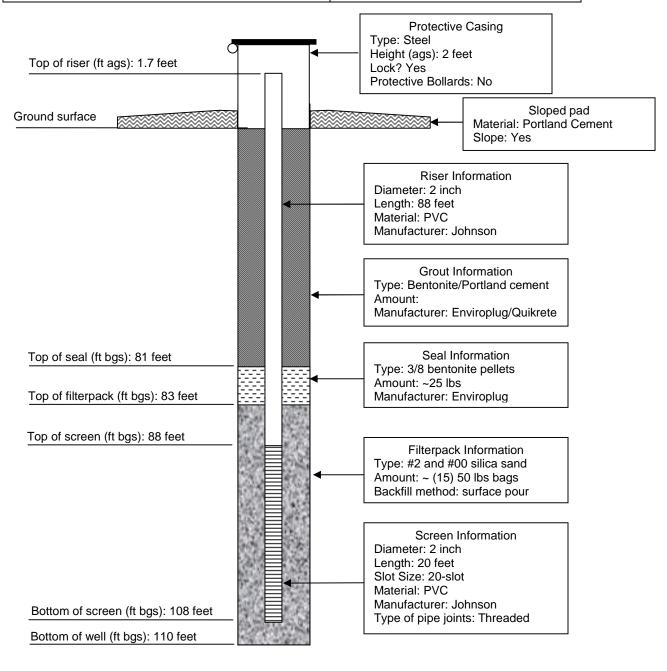
EA Engineering, Science, and Technology, Inc.	Monitoring Well/Soil Boring ID No.: MW-1
Project Title/ Project No.: Gude Landfill 62196.08	Date/Time Installed: 6/4/10 1230 Time Finished: 1440
Location: Rockville, MD	Depth to Water: 45 feet bgs
Site Geologist: Joseph Sawicki	Drilling Method: HSA and Air Rotary



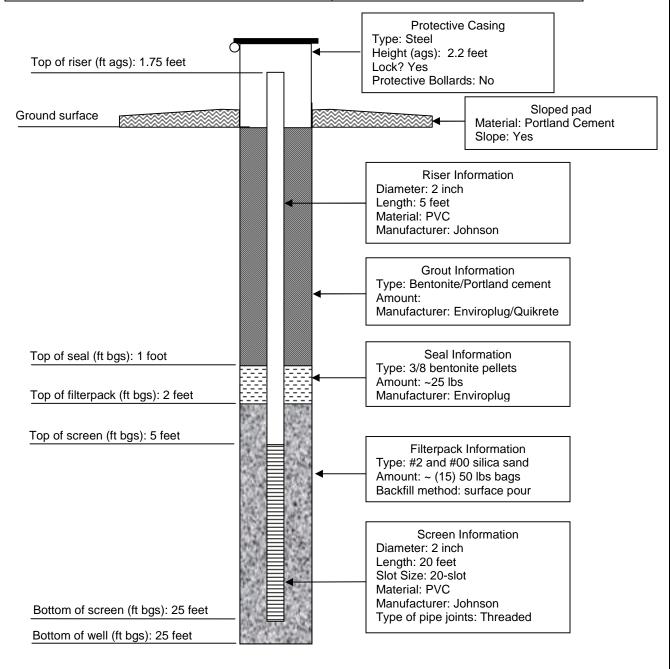
EA Engineering, Science, and Technology, Inc.	Monitoring Well/Soil Boring ID No.: MW-2A
Project Title/ Project No.: Gude Landfill 62196.08	Date/Time Installed: 6/9/10 1048 Time Finished: 1215
Location: Rockville, MD	Depth to Water: 63 feet bgs
Site Geologist: Joseph Sawicki	Drilling Method: HSA and Air Rotary



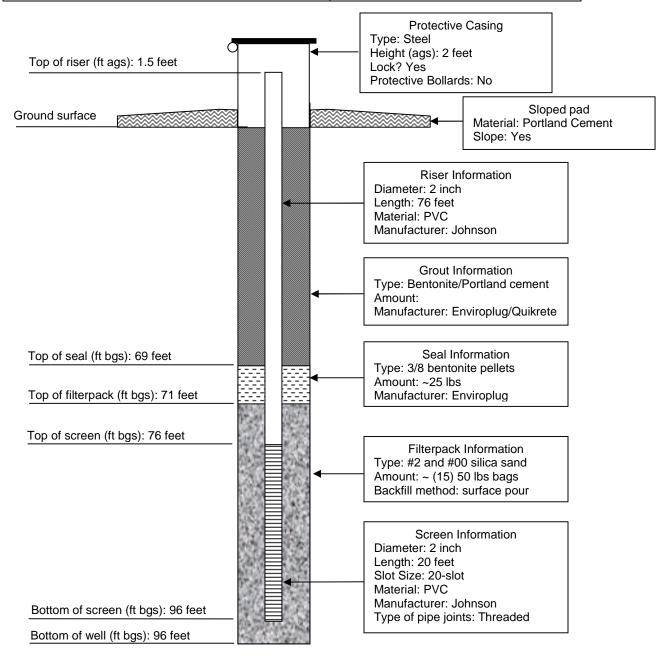
EA Engineering, Science, and Technology, Inc.	Monitoring Well/Soil Boring ID No.: MW-2B
Project Title/ Project No.: Gude Landfill 62196.08	Date/Time Installed: 6/17/10 1118 Time Finished: 1302
Location: Rockville, MD	Depth to Water: 63 feet bgs
Site Geologist: Joseph Sawicki	Drilling Method: HSA and Air Rotary



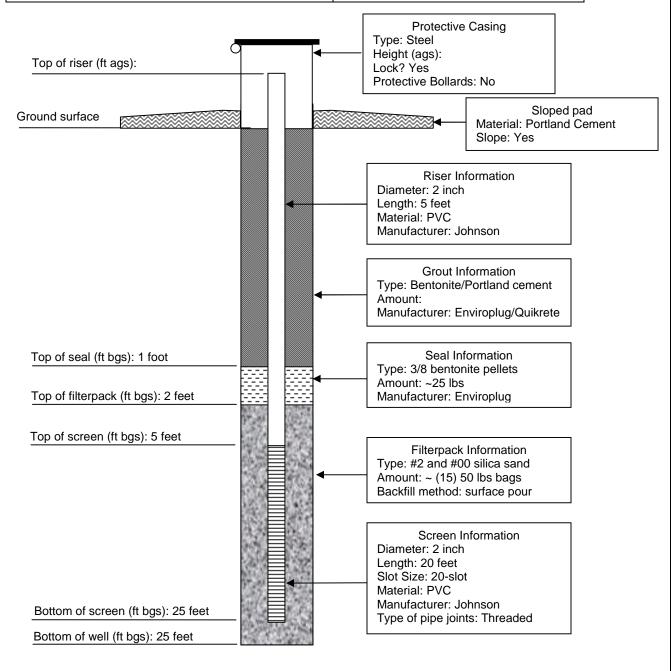
EA Engineering, Science, and Technology, Inc.	Monitoring Well/Soil Boring ID No.: MW-3A
Project Title/ Project No.: Gude Landfill 62196.08	Date/Time Installed: 6/18/10 0945 Time Finished: 1025
Location: Rockville, MD	Depth to Water: 10 feet bgs
Site Geologist: Joseph Sawicki	Drilling Method: HSA



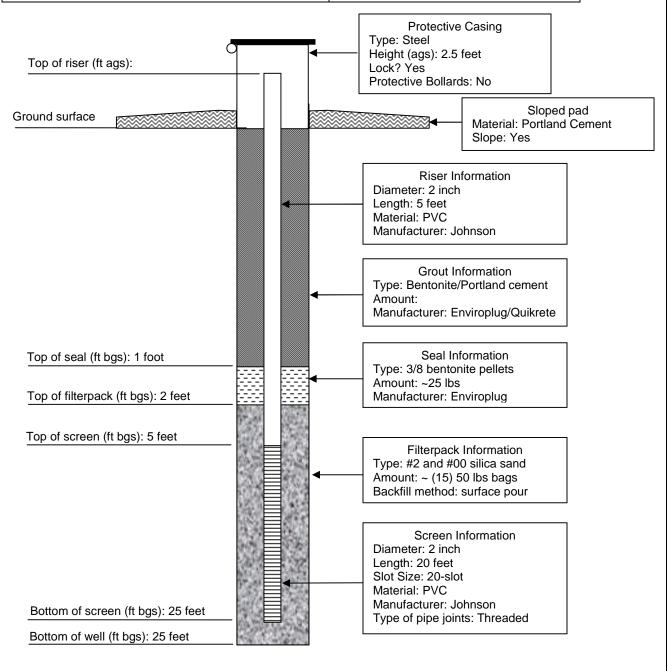
EA Engineering, Science, and Technology, Inc.	Monitoring Well/Soil Boring ID No.: MW-3B
Project Title/ Project No.: Gude Landfill 62196.08	Date/Time Installed: 6/22/10 0745 Time Finished: 0847
Location: Rockville, MD	Depth to Water: 7.6 feet bgs
Site Geologist: Joseph Sawicki	Drilling Method: HSA and Air Rotary



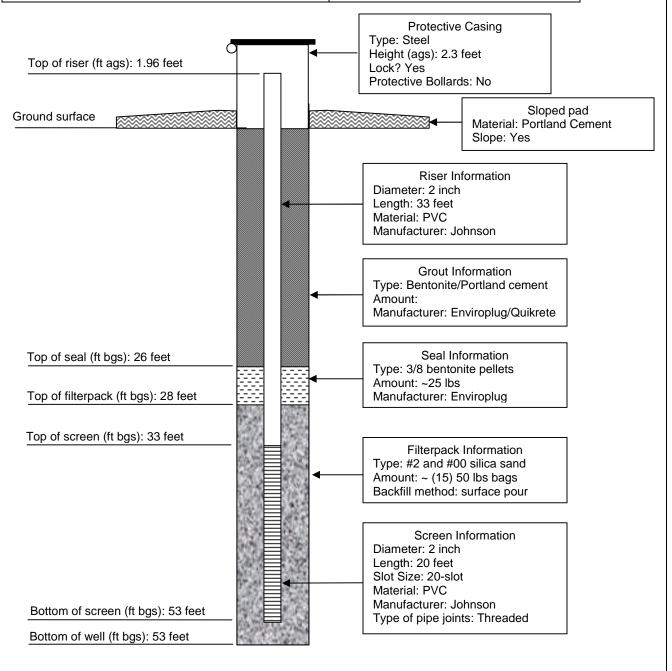
EA Engineering, Science, and Technology, Inc.	Monitoring Well/Soil Boring ID No.: MW-4
Project Title/ Project No.: Gude Landfill 62196.08	Date/Time Installed: 7/6/10 0920 Time Finished: 1000
Location: Rockville, MD	Depth to Water: 8 feet bgs
Site Geologist: Joseph Sawicki	Drilling Method: HSA



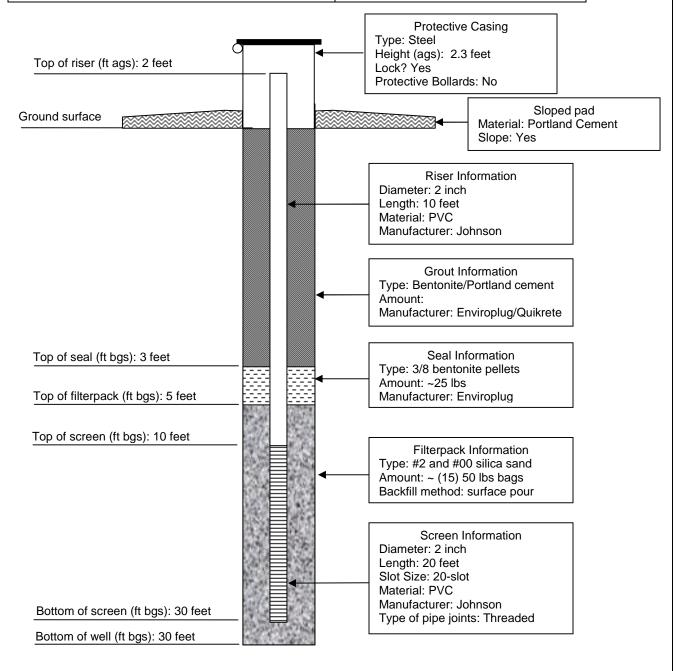
EA Engineering, Science, and Technology, Inc.	Monitoring Well/Soil Boring ID No.: MW-6	
Project Title/ Project No.: Gude Landfill 62196.08	Date/Time Installed: 6/22/10 1125 Time Finished: 1345	
Location: Rockville, MD	Depth to Water: 15 feet bgs	
Site Geologist: Joseph Sawicki	Drilling Method: HSA	



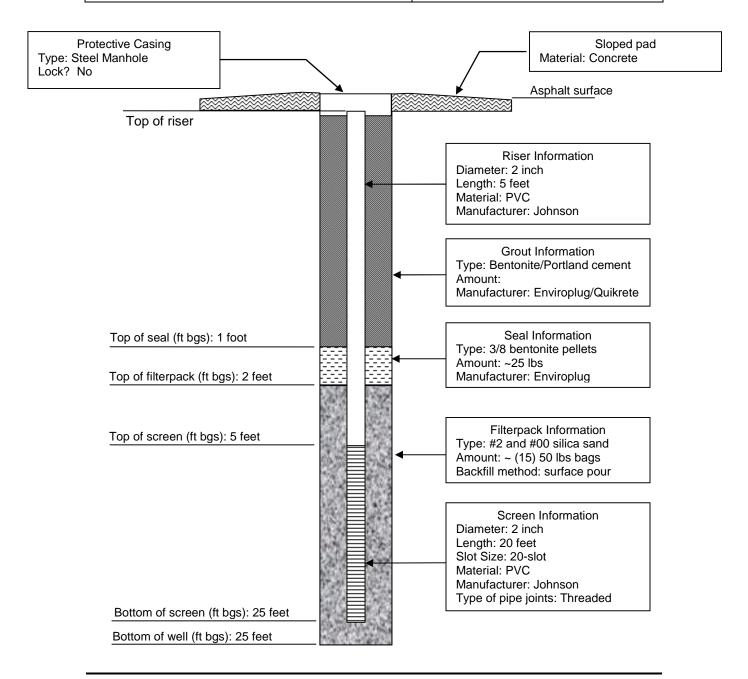
EA Engineering, Science, and Technology, Inc.	Monitoring Well/Soil Boring ID No.: MW-7	
Project Title/ Project No.: Gude Landfill 62196.08	Date/Time Installed: 6/24/10 1339 Time Finished: 1430	
Location: Rockville, MD	Depth to Water: 39.5 feet bgs	
Site Geologist: Joseph Sawicki	Drilling Method: HSA and Air Rotary	



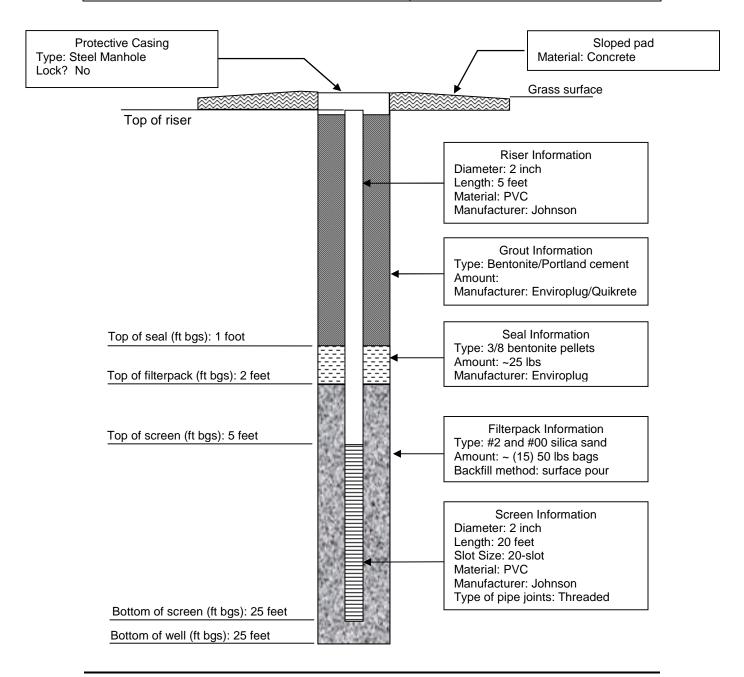
EA Engineering, Science, and Technology, Inc.	Monitoring Well/Soil Boring ID No.: MW-8	
Project Title/ Project No.: Gude Landfill 62196.08	Date/Time Installed: 6/23/10 1032 Time Finished: 1100	
Location: Rockville, MD	Depth to Water: 15 feet bgs	
Site Geologist: Joseph Sawicki	Drilling Method: HSA and Air Rotary	



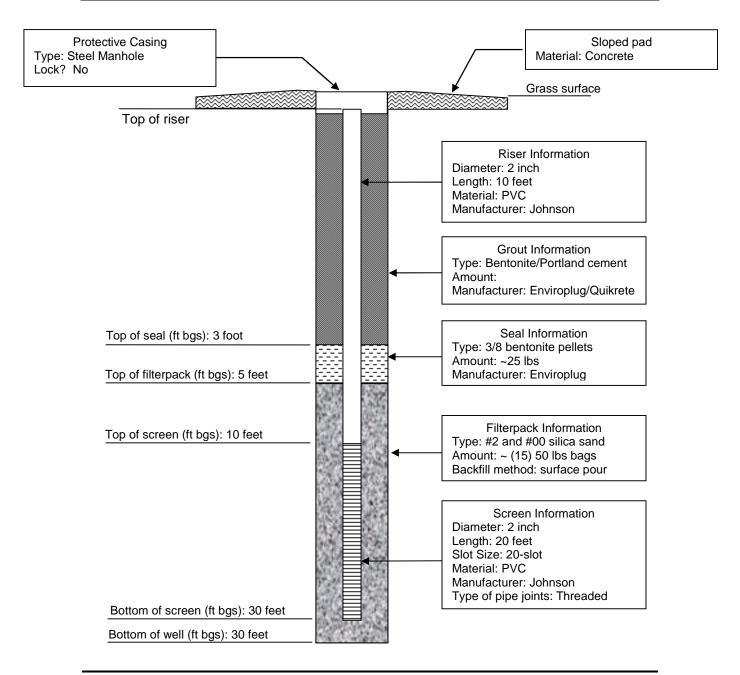
EA Engineering, Science, and Technology, Inc.	Monitoring Well/Soil Boring ID No.: MW-9	
Project Title/ Project No.: Gude Landfill 62196.08	Date/Time Installed: 7/6/10 1244 Time Finished: 1432	
Location: Rockville, MD	Depth to Water: 20 feet bgs	
Site Geologist: Joseph Sawicki	Drilling Method: HSA	



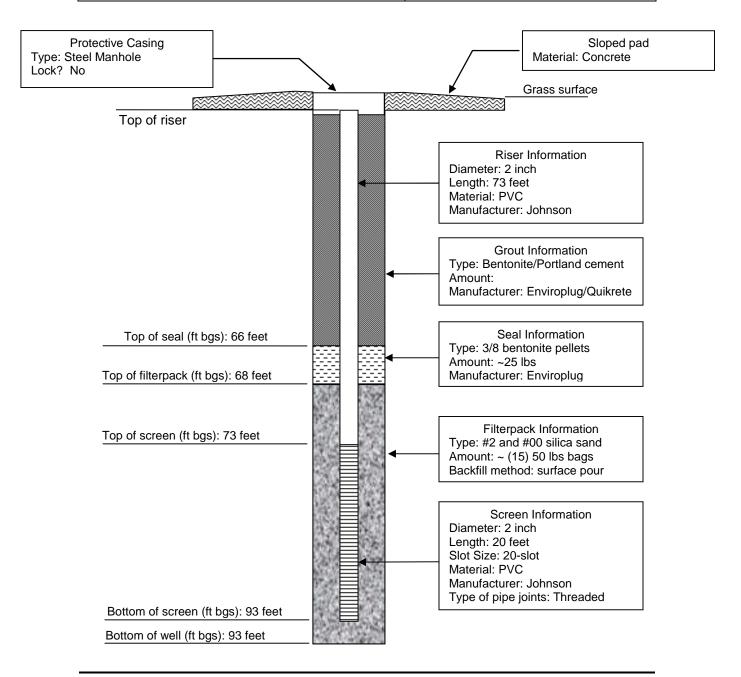
EA Engineering, Science, and Technology, Inc.	Monitoring Well/Soil Boring ID No.: MW-10	
Project Title/ Project No.: Gude Landfill 62196.08	Date/Time Installed: 7/2/10 1020 Time Finished: 1050	
Location: Rockville, MD	Depth to Water: 8 feet bgs	
Site Geologist: Joseph Sawicki	Drilling Method: HSA	



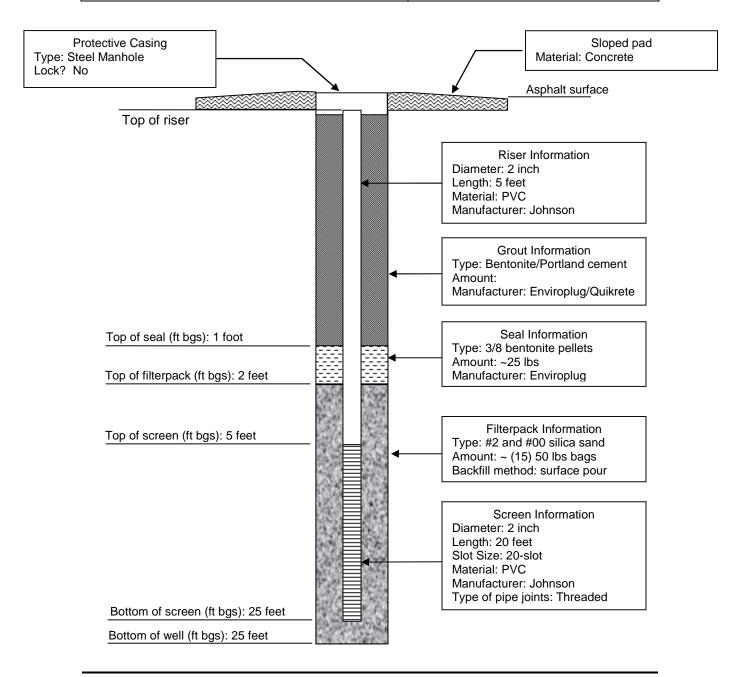
EA Engineering, Science, and Technology, Inc.	Monitoring Well/Soil Boring ID No.: MW-11A	
Project Title/ Project No.: Gude Landfill 62196.08	Date/Time Installed: 6/30/10 0900 Time Finished: 1020	
Location: Rockville, MD	Depth to Water: 15 feet bgs	
Site Geologist: Joseph Sawicki	Drilling Method: HSA	



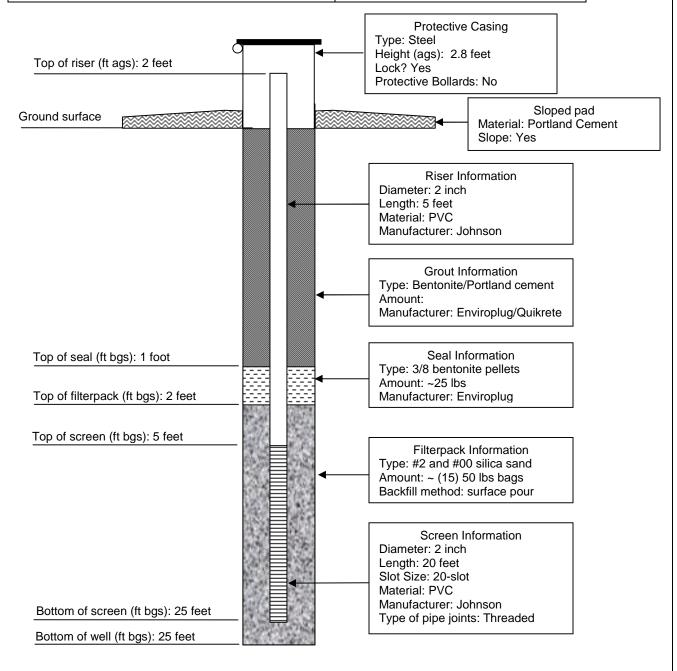
EA Engineering, Science, and Technology, Inc.	Monitoring Well/Soil Boring ID No.: MW-11B	
Project Title/ Project No.: Gude Landfill 62196.08	Date/Time Installed: 6/30/10 1432 Time Finished: 1608	
Location: Rockville, MD	Depth to Water: 17 feet bgs	
Site Geologist: Joseph Sawicki	Drilling Method: HSA and Air Rotary	



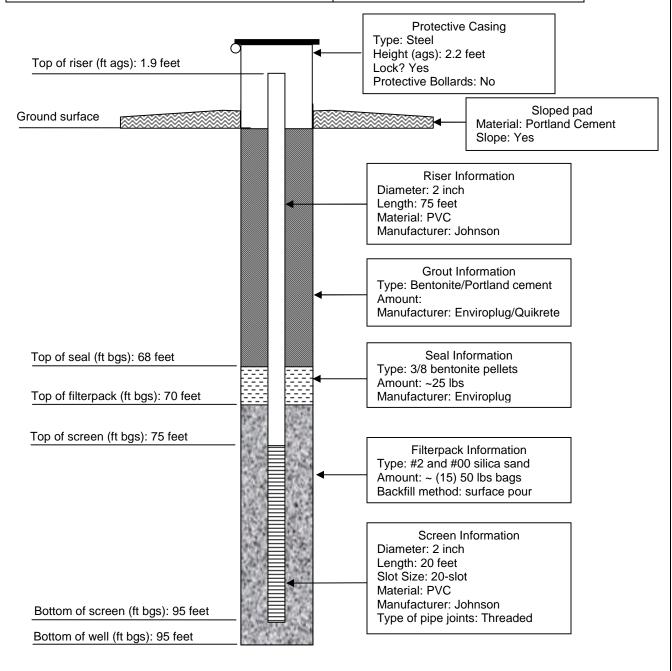
EA Engineering, Science, and Technology, Inc.	Monitoring Well/Soil Boring ID No.: MW-12	
Project Title/ Project No.: Gude Landfill 62196.08	Date/Time Installed: 7/6/10 1205 Time Finished: 1227	
Location: Rockville, MD	Depth to Water: 10 feet bgs	
Site Geologist: Joseph Sawicki	Drilling Method: HSA	



EA Engineering, Science, and Technology, Inc.	Monitoring Well/Soil Boring ID No.: MW-13A	
Project Title/ Project No.: Gude Landfill 62196.08	Date/Time Installed: 6/25/10 1049 Time Finished: 1142	
Location: Rockville, MD	Depth to Water: 5 feet bgs	
Site Geologist: Joseph Sawicki	Drilling Method: HSA	



EA Engineering, Science, and Technology, Inc.	Monitoring Well/Soil Boring ID No.: MW-13B	
Project Title/ Project No.: Gude Landfill 62196.08	Date/Time Installed: 6/29/10 1000 Time Finished: 1156	
Location: Rockville, MD	Depth to Water: 7 feet bgs	
Site Geologist: Joseph Sawicki	Drilling Method: HSA and Air Rotary	



01 3224	(MDE USE ONLY)	STATE OF MARYLAND	THIS REPORT MUST BE SUBMITTED WITHIN 45 DAYS AFTER WELL IS COMPLETED.
1 2 3 6 (THIS NUMBER IS TO BE PU IN COLS. 3-6 ON ALL CARD		WELL COMPLETION REPORT FILL IN THIS FORM COMPLETELY PLEASE TYPE	COUNTY NUMBER 53 7550
ST/CO USE ONLY DATE: Received	DATE WELL COMPI	~	PERMIT NO. FROM "PERMIT TO DRILL WELL"
MM DD YY 8 13	15	22 26 20 (TO NEAREST FOOT)	M(- 95 - 1145 28 29 30 31 32 33 34 35 36 37
OWNER CANAG	Dank Call		
STREET OR RFD 604	tast name	first name TOWN	ockulle
SUBDIVISION		SECTION	LOT
WELL L Not required for		GROUTING RECORD WELL HAS BEEN GROUTED (Circle Appropriate Box)	Ċ[3]
STATE THE KIND OF FORMATH COLOR, DEPTH, THICKNESS	ONS PENETRATED, THEIR	WELL HAS BEEN GROUTED (Circle Appropriate Box) TYPE OF GROUTING MATERIAL (Circle one)	PUMPING TEST
DESCRIPTION (Use	FEET check if water	CEMENT CM BENTONITE CLAY BC	HOURS PUMPED (nearest hour)
additional sheets if needed)	FROM TO bearing	NO. OF BAGS NO. OF POUNDS 45 46	PUMPING RATE (gal. per min.)
		GALLONS OF WATER DEPTH OF GROUT SEAL (to nearest foot)	METHOD USED TO MEASURE PUMPING RATE
Comment Section		from ft. to ft. ≈ 51 → 348 TOP 52 54 BOTTOM 58	WATER LEVÉL (distance from land surface)
		(enter 0 if from surface) casing CASING RECORD	BEFORE PUMPING ft.
. i		types insert appropriate STEEL CONCRETE	WHEN POMPING ft.
ring and	i.	code below PL OT	TYPE OF PUMP USED (for test)
,		PLASTIC OTHER MAIN Nominal diameter Total depth	A air P piston T turbine
		CASING top (main) casing of main casing TYPE (nearest inch)! (nearest foot)	C centrifugal R rotary O (describe below)
		60 61 63 64 66 70	J jet S submersible
[Yz]		E OTHER CASING (if used) A diameter depth (feet)	27 27
	A P	inch from to	PUMP INSTALLED
		A S	DRILLER INSTALLED PUMP YES NO (CIROLE) (YES or NO)
		G	IF DRILLER INSTALLS PUMP, THIS SECTION MUST BE COMPLETED FOR ALL WELLS.
		screen type or open hole ST BR HO	TYPE OF PUMP INSTALLED PLACE (A,C,J,P,R,S,T,O) PLACE (A,C,J,P,R,S,T,O)
* October 1	7	insert appropriate STEEL BRASS BRONZE HOLE	IN BOX 29. CAPACITY:
		code below PLASTIC OTHER	(to nearest gallon) GALLONS PER MINUTE 31 35
		C 2 DEPTH (nearest ft.)	PUMP HORSE POWER 37 41
NUMBER OF UNSUCCESSFU	£	1 2 DEFITT (Healest It.)	PUMP COLUMN LENGTH (nearest ft.) 43 47
WELL HYDROFRACTURED	yes no N	E 8 9 11 15 17 21 C 2	CASING HEIGHT (circle appropriate box and enter casing height)
CIRCLE APPROPR A WELL WAS ABANDONEI	D AND SEALED	H 23 24 26 30 32 36 S	49 LAND SURFACE (nearest)
E ELECTRIC LOG OBTAINED	· · · · · · · · · · · · · · · · · · ·	C 3 R 38 39 41 45 47 51	below) (nearest) (1848-81) (1848
P TEST WELL CONVERTED WELL		E SLOT SIZE 1 2 3	LOCATION OF WELL ON LOT SHOW PERMANENT STRUCTURE SUCH AS
I HEREBY CERTIFY THAT THIS WELL ACCORDANCE WITH COMAR 26.04.04 IN CONFORMANCE WITH ALL CONDI- CAPTIONED PERMIT, AND THAT TH	"WELL CONSTRUCTION" AND TIONS STATED IN THE ABOVE	DIAMETER (NEAREST OF SCREENINCH)	BUILDING, SEPTIC TANKS, AND /OR LANDMARKS AND INDICATE NOT LESS
HEREIN IS ACCURATE AND COMPI KNOWLEDGE.	LETE TO THE BEST OF MY	56 60 from to	THAN TWO DISTANCES (MEASUREMENTS TO WELL)
DRILLERS LIC. NO.1 M	_ D ı	GRAVEL PACK IF WELL DRILLED	
DRILLERS SIGNATURE (MUST MATCH SIGNATURE ON	APPLICATION)	WAS FLOWING WELL INSERT F IN BOX 68 68	
	D ı	(NOT TO BE FILLED IN BY DRILLER) T (E.R.O.S.) W Q	
SITE SUPERVISOR (sign. of c		70 72 74 75 76 TELESCOPE LOG	
responsible for sitework if differ	rent from permittee)	CASING INDICATOR OTHER DATA	

C 1 3222	SEQUENCE NO. (MDE USE ONLY)	STATE OF MARYLAND WELL COMPLETION REPORT	THIS REPORT MUST BE SUBMITTED WITHIN 45 DAYS AFTER WELL IS COMPLETED.
1 2 3 6 (THIS NUMBER IS TO BE PUI IN COLS. 3-6 ON ALL CARDS		FILL IN THIS FORM COMPLETELY PLEASE TYPE	COUNTY NUMBER 40 537530
ST/CO USE ONLY DATE Received	DATE WELL COMP	w 02	PERMIT NO. FROM "PERMIT TO DRILL WELL"
8 13	15	22 20 26 (TO NEAREST FOOT)	$\frac{1}{28}$ $\frac{29}{29}$ $\frac{30}{31}$ $\frac{31}{32}$ $\frac{32}{33}$ $\frac{34}{35}$ $\frac{36}{36}$ $\frac{37}{37}$
OWNER Gade	Serio Carrie	first name	
STREET OR RFD	E Com	SECTIONTOWN_	ockalle MD
WELL L	.og 🔩	GROUTING RECORD YES NO	C3
Not required for		WELL HAS BEEN GROUTED (Circle Appropriate Box)	1 2 PUMPING TEST
STATE THE KIND OF FORMATIC COLOR, DEPTH, THICKNESS A		TYPE OF GROUTING MATERIAL (Circle one) CEMENT (CM BENTONITE CLAY B C	HOURS PUMPED (nearest hour)
DESCRIPTION (Use additional sheets if needed)	FROM TO CHOCK if water bearing	CEMENT C BENTONITE CLAY B C NO. OF BAGS 46 NO. OF POUNDS 45 36	PUMPING RATE (gal. per min.)
Roman Occi	0 90	GALLONS OF WATER 42	METHOD USED TO
frown Dry		DEPTH OF GROUT SEAL (to nearest foot)	MEASURE PUMPING RATE
F345		from 48 TOP 52 ft. to 54 BOTTOM 58 ft. (enter 0 if from surface)	WATER LEVEL (distance from land surface)
	40 98	casing CASING RECORD	BEFORE PUMPING 17 ft.
lock		types insert appropriate STEL CONCRETE	WHEN PUMPING ft.
		code below PL OT	TYPE OF PUMP USED (for test)
	**************************************	PLASTIC OTHER MAIN Nominal diameter Total depth	A air P piston T turbine
·		CASING top (main) casing of main casing TYPE (nearest inch)! (nearest foot)	C centrifugal R rotary O other (describe
	¥		27 below)
		60 61 63 64 66 70 E . OTHER CASING (if used)	J jet S submersible
		OTHER CASING (if used) A diameter depth (feet) inch from to	
	5)	C S	PUMP INSTALLED DRILLER INSTALLED PUMP YES NO
	1.00	Z C C C C C C C C C C C C C C C C C C C	(CIRCLE) (YES or NO) IF DRILLER INSTALLS PUMP, THIS SECTION
***		screen type SCREEN RECORD	MUST BE COMPLETED FOR ALL WELLS. TYPE OF PUMP INSTALLED
		or open hole ST BR HO	PLACE (A,C,J,P,R,S,T,O) 29 IN BOX 29.
		insert STEEL BRASS OPEN Appropriate BRONZE HOLE	CAPACITY: GALLONS PER MINUTE
	·	below PL OT	(to nearest gallon) 31 35
		C 2 DEPTH (nearest ft.)	PUMP HORSE POWER 37 41
NUMBER OF UNSUCCESSFU	L WELLS:	1 2 DEFIN (hearest it.)	PUMP COLUMN LENGTH (nearest ft.)
WELL HYDROFRACTURED	yes no N	E A 8 9 11 15 17 21	CASING HEIGHT (circle appropriate box
CIRCLE APPROPRI		C H 23 24 26 30 32 36	+ above LAND SURFACE
A WELL WAS ABANDONED WHEN THIS WELL WAS CO		S C 3 * * * * * * * * * * * * * * * * * *	below (nearest) foot)
E ELECTRIC LOG OBTAINED TEST WELL CONVERTED		R 38 39 41 45 47 51	49 50 51
WELL I HEREBY CERTIFY THAT THIS WELL		E SLOT SIZE 1 2 3	LOCATION OF WELL ON LOT SHOW PERMANENT STRUCTURE SUCH AS
ACCORDANCE WITH COMAR 26.04.04 IN CONFORMANCE WITH ALL CONDIT CAPTIONED PERMIT, AND THAT THE	TIONS STATED IN THE ABOVE E INFORMATION PRESENTED	DIAMETER (NEAREST OF SCREEN 56 60	BUILDING, SEPTIC TANKS, AND /OR LANDMARKS AND INDICATE NOT LESS
HEREIN IS ACCURATE AND COMPL KNOWLEDGE.	LETE TO THE BEST OF MY	from to	THAN TWO DISTANCES (MEASUREMENTS TO WELL)
DRILLERS LIC. NO. , M	60063 1	GRAVEL PACK	To made
DRILLERS SIGNATURE) K	WAS FLOWING WELL INSERT F IN BOX 68 68	3000
(MUST MATCH SIGNATURE ON A		MDE USE ONLY (NOT TO BE FILLED IN BY DRILLER)	F \ 2400'
LIC. NO.1 —	60 g 66	T (E.R.O.S.) W Q	Gudo
SITE SUPERVISOR (sign. of d		70 72 74 75 76	Or Majores
responsible for sitework if differ	rent from permittee)	TELESCOPE LOG CASING INDICATOR OTHER DATA	
	\$** \$		F

	C 1 3219	(MDE USE ONLY)	STATE OF MARYLAND	THIS REPORT MUST BE SUBMITTED WITHIN 45 DAYS AFTER WELL IS COMPLETED.
· ·	1 2 3 (THIS NUMBER IS TO BE P IN COLS. 3-6 ON ALL CARI		WELL COMPLETION REPORT FILL IN THIS FORM COMPLETELY PLEASE TYPE	COUNTY NUMBER SS 7530
	ST/CO USE ONLY DATE Received MM DD YY	DATE WELL COMPL	ETED Depth of Well 2	PERMIT NO. FROM "PERMIT TO DRILL WELL"
	8 13	15	20 (TO NEAREST FOOT)	28 29 30 31 32 33 34 35 36 37
	OWNER Grade STREET OR RFD 60	lest name & Coresto	first name TOWN	ackville up
	SUBDIVISION		SECTION	LOT
	WELL Not required fo		GROUTING RECORD WELL HAS BEEN GROUTED (Circle Appropriate Box)	C 3
	STATE THE KIND OF FORMAT COLOR, DEPTH, THICKNESS	TIONS PENETRATED, THEIR S AND IF WATER BEARING	(Circle Appropriate Box) TYPE OF GROUTING MATERIAL (Circle one)	PUMPING TEST
	DESCRIPTION (Use additional sheets if needed)	FEET check if water bearing	CEMENT CIM BENTONITE CLAY BC	HOURS PUMPED (nearest hour)
		0 35 Garing	NO. OF BAGS 40 0 NO. OF POUNDS 460 OF GALLONS OF WATER	PUMPING RATE (gal. per min.)
	Vicety 1/1		DEPTH OF GROUT SEAL (to nearest foot)	METHOD USED TO MEASURE PUMPING RATE
	+ 3 1000 Mx		from 48 TOP 52 ft. to 54 BOTTOM 58 ft.	WATER LEVEL (distance from land surface)
v i	the sect	37 75	casing CASING RECORD	BEFORE RUMPING 17 20 ft.
	two the ed		insert STEEL CONCRETE	WHEN PUMPING 22 25 ft.
Total Control	1 Car Car		code below PL OT	TYPE OF PUMP USED (for test)
	s estate		MAIN Nominal diameter Total depth CASING top (main) casing of main casing	A air P piston T turbine
\$2 °	*		TYPE (nearest inch)! (nearest foot)	C centrifugal R rotary (describe below)
<u> </u>			60 61 63 64 66 70	J jet S submersible
			OTHER CASING (if used) A diameter depth (feet) inch from to	<u>, 27</u> <u>27</u>
			C	PUMP INSTALLED DRILLER INSTALLED PUMP YES NO
		3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3	5 - Z	(CIRCLE) (YES or NO) IF DRILLER INSTALLS PUMP, THIS SECTION
	,		screen type SCREEN RECORD	MUST BE COMPLETED FOR ALL WELLS. TYPE OF PUMP INSTALLED
			or open hole ST BR HO	PLACE (A,C,J,P,R,S,T,O) 29 IN BOX 29.
			appropriate BBONZE HOLE	CAPACITY: GALLONS PER MINUTE
			below PLASTIE OTHER	(to nearest gallon) 31 35 PUMP HORSE POWER
	NUMBER OF UNCLESSES	WELLO:	C 2 DEPTH (nearest ft.)	PUMP COLUMN LENGTH
	NUMBER OF UNSUCCESSFU	yes no	P1 35 75	(nearest ft.) 43 CASING HEIGHT (circle appropriate box
	WELL HYDROFRACTURED Y		A 8 9 11 15 17 21 C 2	above) and enter casing height)
	A WELL WAS ABANDONE WHEN THIS WELL WAS	ED AND SEALED	H 23 24 26 30 32 36	49 LAND SURFACE (nearest)
	E ELECTRIC LOG OBTAINE	:D	C 3 R 38 39 41 45 47 51	49 foot)
ŀ	TEST WELL CONVERTED TO PRODUCTION WELL I HEREBY CERTIFY THAT THIS WELL HAS BEEN CONSTRUCTED IN ACCORDANCE WITH COMAR 26.04.04 "WELL CONSTRUCTION" AND IN CONFORMANCE WITH ALL CONDITIONS STATED IN THE ABOVE CAPTIONED PERMIT, AND THAT THE INFORMATION PRESENTED HEREIN IS ACCURATE AND COMPLETE TO THE BEST OF MY KNOWLEDGE.		E SLOT SIZE 1 2 2 3	LOCATION OF WELL ON LOT SHOW PERMANENT STRUCTURE SUCH AS
			DIAMETER (NEAREST OF SCREEN 56 60	BUILDING, SEPTIC TANKS, AND /OR LANDMARKS AND INDICATE NOT LESS
ŀ			from to	THAN TWO DISTANCES (MEASUREMENTS TO WELL)
	DRILLERS/LIC NO. M	16D065	GRAVEL PACK IF WELL DRILLED WAS FLOWING WELL	(MEASUREMENTS TO WELL)
	DRILLERS SIGNATURE (MUST MATCH SIGNATURE ON APPLICATION)		MASERT F IN BOX 68 68 MDE USE ONLY	7100 9
	LIC. NO. 1 Z/ D Ole Lo		(NOT TO BE FILLED IN BY DRILLER) T (E.R.O.S.) W Q	1100
	Mad le	ain	70 72	Ende \ Joseph
	SITE SUPERVISOR (sign. of responsible for sitework if different controls of the sitework of th	driller or journeyman erent from permittee)	TELESCOPE LOG 74 75 76 CASING INDICATOR OTHER DATA	V Dr. \ /30"
₩. ***	DENV-CR00		OWNER	

C 1 3220 SEQUENCE NO. (MDE USE ONLY)	STATE OF MARYLAND WELL COMPLETION REPORT	THIS REPORT MUST BE SUBMITTED WITHIN 45 DAYS AFTER WELL IS COMPLETED.
1 2 3 6 (THIS NUMBER IS TO BE PUNCHED IN COLS. 3-6 ON ALL CARDS)	FILL IN THIS FORM COMPLETELY PLEASE TYPE	COUNTY NUMBER 537530
ST/CO USE ONLY DATE WELL COMPLETE Received MM DD YY MM DD	ETED Depth of Well	PERMIT NO. FROM "PERMIT TO DRILL WELL"
8 13 15	22 / 0 8) 26 20 (TO NEAREST FOOT)	A() 45 1 3 3 28 29 30 31 32 33 34 35 36 37
OWNER Crange last name	first name	
STREET OR RFD 600 E GALLO	TOWN	Cockhille
WELL LOG	GROUTING RECORD YES 1 NO	ICI3I
Not required for driven wells	WELL HAS BEEN GROUTED (Circle Appropriate Box)	T 2
STATE THE KIND OF FORMATIONS PENETRATED, THEIR COLOR, DEPTH, THICKNESS AND IF WATER BEARING	TYPE OF GROUTING MATERIAL (Circle one)	PUMPING TEST HOURS PUMPED (nearest hour)
DESCRIPTION (Use additional sheets if needed) FROM TO bearing	CEMENT CM BENTONITE CLAY BC	8 9
From A By 0 33 G9 Front 5:1+ to other al 35 69 Fack 69 109	NO. OF BAGS 10/2 NO. OF POUNDS 2220 GALLONS OF WATER 24	PUMPING RATE (gal. per min.) 11 15 METHOD USED TO
150rd 5:1+	DEPTH OF GROUT SEAL (to nearest foot)	MEASURE PUMPING RATE
1 Heart 35 69	from 48 TOP 52 ft. to 54 BOTTOM 58 ft. (enter 0 if from surface)	WATER LEVEL (distance from land surface)
Comment	casing <u>CASING RECORD</u>	BEFORE PUMPING 17 20 ft.
	types insert appropriate ST CONCRETE	WHEN PUMPING 22 25 ft.
Ha-cl 400k 69 109	code pelow PL OT	TYPE OF PUMP USED (for test)
	MAIN Nominal diameter Total depth	A air P piston T turbine
	CASING top (main) casing of main casing TYPE (nearest inch)! (nearest foot)	C centrifugal R rotary O other (describe
	$\frac{f_2}{60 \ 61}$ $\frac{2}{63 \ 64}$ $\frac{69}{66}$ $\frac{70}{70}$	27 27 below)
	E OTHER CASING (if used)	S submersible
	diameter depth (feet)	DIMPINETALED
	C L	PUMP INSTALLED DRILLER INSTALLED PUMP YES NO (CIRCLE) (YES or NO)
	zg	IF DRILLER INSTALLS PUMP, THIS SECTION
	screen type SCREEN RECORD	MUST BE COMPLETED FOR ALL WELLS. TYPE OF PUMP INSTALLED
	or open hole ST BR HO insert STEEL BRASS OPEN	PLACE (A,C,J,P,R,S,T,O) 29 IN BOX 29.
	(appropriate code BRONZE HOLE	CAPACITY: GALLONS PER MINUTE (to nearest gallon) 31 35
\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	below PLASTIC OTHER	PUMP HORSE POWER
NUMBER OF UNSUCCESSFUL WELLS:	DEPTH (nearest ft.)	PUMP COLUMN LENGTH
yes per	1 P1 89 109	(nearest ft.)
WELL HYDROFRACTURED Y	A 8 9 11 15 17 21 C 2	and enter casing height)
CIRCLE APPROPRIATE LETTER A WELL WAS ABANDONED AND SEALED	H 23 24 26 30 32 36	LAND SURFACE
WHEN THIS WELL WAS COMPLETED E ELECTRIC LOG OBTAINED	C 3	below) (Hearest) (1001)
P TEST WELL CONVERTED TO PRODUCTION WELL	E SLOT SIZE 1	LOCATION OF WELL ON LOT
I HEREBY CERTIFY THAT THIS WELL HAS BEEN CONSTRUCTED IN ACCORDANCE WITH COMAR 26.04.04 "WELL CONSTRUCTION" AND IN CONFORMANCE WITH ALL CONDITIONS STATED IN THE ABOVE	N DIAMETER (NEAREST OF SCREEN INCH)	SHOW PERMANENT STRUCTURE SUCH AS BUILDING, SEPTIC TANKS, AND /OR
CAPTIONED PERMIT, AND THAT THE INFORMATION PRESENTED HEREIN IS ACCURATE AND COMPLETE TO THE BEST OF MY KNOWLEDGE.	OF SCREEN INCH) 56 60 from to	LANDMARKS AND INDICATE NOT LESS THAN TWO DISTANCES (MEASUREMENTS TO WELL)
DRILLERS LÍC. NO.1 M 5D 263 1	GRAVEL PACK 64 109	M)
Jak Ko	IF WELL DRILLED WAS FLOWING WELL INSERT F IN BOX 68 68	1 grac Trice
DRILLERS SIGNATURE (MUST MATCH SIGNATURE ON APPLICATION)	MDE USE ONLY (NOT TO BE FILLED IN BY DRILLER)	
LIC. NO.1 I GO O G G	T (E.R.O.S.) W Q	Guto Soul
	70	
SITE SUPERVISOR (sign. of driller or journeyman responsible for sitework if different from permittee)	TELESCOPE LOG. 74 75 76 CASING INDICATOR OTHER DATA	
DENV-CR00	OWNER	1

	C 1 3224	(MDE USE ONLY)	STATE OF MARYLAND	THIS REPORT MUST BE SUBMITTED WITHIN 45 DAYS AFTER WELL IS COMPLETED.			
	1, 2 3 6		WELL COMPLETION REPORT FILL IN THIS FORM COMPLETELY	COUNTY			
	(THIS NUMBER IS TO BE PU IN COLS. 3-6 ON ALL CARDS		PLEASE TYPE	NUMBER 537530			
	ST/CO USE ONLY	DATE WELL COMPL		PERMIT NO. FROM "PERMIT TO DRILL WELL"			
	DATE Received MM DD YY	MM DO	~ 2 35* 26	MU - 95 - 1140			
	8 13	15	20 (TO NEAREST FOOT)	28 29 30 31 32 33 34 35 36 37			
	OWNER Grade	14.141					
	STREET OR RFD_60	Less riamé	Dy use first name TOWN C	cockell f			
	SUBDIVISION	**	SECTION	ĽOT			
	WELL L		GROUTING RECORD Yes yno	C 3			
	Not required for		WELL HAS BEEN GROUTED (Circle Appropriate Box)	1 2 PUMPING TEST			
	STATE THE KIND OF FORMATK COLOR, DEPTH, THICKNESS	ONS PENETRATED, THEIR AND IF WATER BEARING	TYPE OF GROUTING MATERIAL (Circle one)	HOURS PUMPED (nearest hour)			
	DESCRIPTION (Use	FEET check if water	CEMENT CM BENTONITE CLAY BC	8 9			
	additional sheets if needed)	FROM TO bearing	NO. OF BAGS 46 NO. OF POUNDS 45/46	PUMPING RATE (gal. per min.)			
	Don't st	0 35	GALLONS OF WATER	METHOD USED TO			
	17100 11 116		DEPTH OF GROUT SEAL (to nearest foot)	MEASURE PUMPING RATE			
	It + Cand		from ft. to ft.	WATER LEVEL (distance from land surface)			
	, ,,,,,		(enter 0 if from surface)	BEFORE PUMPING ft.			
	Providuet Ft Clark Trilt	.3.	casing CASING RECORD types	17 20 II.			
		¥	insert STEE CONCRETE	WHEN PUMPING ft.			
	2 V		Code / POIT	22 25			
			DEIOW RLASSIC OTHER	TYPE OF PUMP USED (for test)			
			MÅIN : Nominal diameter Total depth CASING top (main) casing of main casing	A air P piston T turbine			
	and the second of the second o	: :	CASING top (main) casing of main casing TYPE (nearest inch)! (nearest foot)	C centrifugal R rotary O (describe			
		1	RL 2 5	27 below)			
_ \	And the second of the second o		60 61 63 64 66 70	J jet S submersible			
		internal	CTHER CASING (if used) A diameter depth (feet)	27 27			
		100°	H inch from to	PUMP INSTALLED			
		34	C As	DRILLER INSTALLED PUMP YES NO			
		المرتبي والمراجب	Ĭ N	(CIRCLE) (YES or NO)			
	No. of		G	IF DRILLER INSTALLS PUMP, THIS SECTION MUST BE COMPLETED FOR ALL WELLS.			
	<i>2</i> %		screen type SCREEN RECORD	TYPE OF PUMP INSTALLED			
			or open hole ST BR HO	PLACE (A,C,J,P,R,S,T,O) 29 IN BOX 29.			
, .	,		insert STEEL BRASS OPEN appropriate BRONZE HOLE	CAPACITY:			
	Ý		code below PL OT	GALLONS PER MINUTE (to nearest gallon) 31 35			
. 1			THEASTIC OTHER	PUMP HORSE POWER			
.			C 2 DEPTH (nearest ft.)	PUMP COLUMN LENGTH			
	NUMBER OF UNSUCCESSFUI		120, 100	(nearest ft.)			
ſ	WELL HYDROFRACTURED	yes no	E 1 15 17 21	CASING HEIGHT (circle appropriate box			
		YN	Ĉ,	and enter casing height)			
-	CIRCLE APPROPRI A WELL WAS ABANDONED		H ² 23 24 26 30 32 36 S	LAND SURFACE			
	WHEN THIS WELL WAS CO	OMPLETED	С 3	_ below (nearest) foot)			
	E ELECTRIC LOG OBTAINED TEST WELL CONVERTED		R 38 39 41 45 47 51	49 50 51			
ŀ	WELL		E SLOT SIZE 1 2 3	LOCATION OF WELL ON LOT SHOW PERMANENT STRUCTURE SUCH AS			
.	I HEREBY CERTIFY THAT THIS WELL ACCORDANCE WITH COMAR 26.04.04 IN CONFORMANCE WITH ALL CONDIT	"WELL CONSTRUCTION" AND	DIAMETER (NEAREST	BUILDING, SEPTIC TANKS, AND /OR			
	CAPTIONED PERMIT, AND THAT THE HEREIN IS ACCURATE AND COMPL	E INFORMATION PRESENTED	OF SCREEN INCH)	THAN TWO DISTANCES			
ŀ	KNOWLEDGE.		from to	(MEASUREMENTS TO WELL)			
	DRILLERS LIG. NO. 1 M	600631	GRAVEL PACK	100024			
			IF WELL DRILLED WAS FLOWING WELL	X. X.			
ŀ	DRILLERS SIGNATURE (MUST MATCH SIGNATURE ON A	APPLICATION)	INSERT F IN BOX 68 68	5 \ 2750 W			
		60066	MDE USE ONLY (NOT TO BE FILLED IN BY DRILLER)	Hode Iro			
l	LIC. NO. 1		T (E.R.O.S.) W Q	21			
-	1960	(fliet	70	101			
1	SITE SUPERVISOR (sign. of d responsible for sitework if differ	riller or journeyman ent from permittee)	TELESCOPE LOG 74 75 76	Jode 1			
L		· -/]	CASING INDICATOR OTHER DATA				
	DENV-CR00 OWNER						

C 1 3223	(MDE USE (STATE OF MARYLAND	THIS REPORT MUST BE SUBMITTED WITHIN 45 DAYS AFTER WELL IS COMPLETED.
1 2 3 6			WELL COMPLETION REPORT	COUNTY
(THIS NUMBER IS TO BE PUIN COLS. 3-6 ON ALL CARD			FILL IN THIS FORM COMPLETELY PLEASE TYPE	NUMBER SZ7530
ST/60 USE ONLY	DATE WELL	COMPI		PERMIT NO.
DATE Received		DD Y	v .	FROM "PERMIT TO DRILL WELL"
8 13	<u> </u>	2/	22 4 26 20 (TO NEAREST FOOT)	MU - 45 - 17 34 28 29 30 31 32 33 34 35 36 37
	10		20 (10 NEAREST FOOT)	28 29 30 31 32 33 34 35 36 37
OWNER Grade	last hame	(! [first name	
STREET OR RFD		(per)		sekulle uD
SUBDIVISION	Antonia wa Antonia wa Maria		SECTION	LOT
WELL			GROUTING RECORD YES NO	C 3
Not required for			WELL HAS BEEN GROUTED (Circle Appropriate Box)	1 2 PUMPING TEST
STATE THE KIND OF FORMATI COLOR, DEPTH, THICKNESS	IONS PENETRATED, AND IF WATER BEAL	THEIR RING	TYPE OF GROUTING MATERIAL (Circle one)	HOURS PUMPED (nearest hour)
DESCRIPTION (Use	FEET	check if water	CEMENT CM BENTONITE CLAY BC	100h3 FOMFED (Hearest Hour)
additional sheets if needed)	FROM TO	bearing	NO. OF BAGS 6 NO. OF POUNDS 45 45	PUMPING RATE (gal. per min.)
Property Cont	0 35		GALLONS OF WATER 42	11 15
Figure ast	' /		DEPTH OF GROUT SEAL (to nearest foot)	METHOD USED TO MEASURE PUMPING RATE
F 5+5			from O ft. to 80 ft.	
		_	48 TOP 52 54 BOTTOM 58 (enter 0 if from surface)	WATER LEVEL (distance from land surface)
Book,	35 96	-	casing CASING RECORD	BEFORE PUMPING ft.
pock.			types	17 20
			appropriate SIEEL CONCRETE	WHEN PUMPING 22 25 ft.
*;		1 4	code below PL OT	TYPE OF PUMP USED (for test)
	i santa		PLASTIC OTHER	A air P piston T turbine
· Amilia			MAIN Nominal diameter Total depth CASING top (main) casing of main casing	<u> </u>
	i i	15°	CASING top (main) casing of main casing TYRE (nearest inch)! (nearest foot)	C centrifugal R rotary O other (describe
			1/2 2 76	27 below)
	,	A CONTRACTOR OF THE PARTY OF TH	60 61 63 64 66 70	J jet S submersible
	, Appell	***	E OTHER CASING (if used)	27 27
		pare	diameter depth (feet)	
	·		C	PUMP INSTALLED DRILLER INSTALLED PUMP YES NO
			Co	DRILLER INSTALLED PUMP YES NO (CIRCLE) (YES or NO)
		1 3 3	g	IF DRILLER INSTALLS PUMP, THIS SECTION
1999y		- ·	0005511 050000	MUST BE COMPLETED FOR ALL WELLS.
. *			screen type SCREEN RECORD or open hole	TYPE OF PUMP INSTALLED —— PLACE (A,C,J,P,R,S,T,O) 29
`			SII BIRI HIO I	IN BOX 29.
. >			/ appropriate \ BRONZE HOLE	CAPACITY: GALLONS PER MINUTE
			code below / PL) OT	(to nearest gallon) 31 35
			PEASITIC OTHER	PUMP HORSE POWER
		اــــــــــــــــــــــــــــــــــــــ	C 2 DEPTH (nearest ft.)	37 41
NUMBER OF UNSUCCESSFU	JĻ WELLS:		12/2	PUMP COLUMN LENGTH (nearest ft.)
MEL 11/2525	yes	, PO_	E1 12 3 76 3 96	43 47 CASING HEIGHT (circle appropriate box
WELL HYDROFRACTURED	(∀		A 8 7 9 11 1 15 17 7 21 C	and enter casing height)
CIRCLE APPROPRIATE LETTER			H 2 23 24 26 30 32 36	LAND SURFACE
A WELL WAS ABANDONED AND SEALED WHEN THIS WELL WAS COMPLETED			S C 3	below (nearest)
E ELECTRIC LOG OBTAINE	D		R 38 39 41 45 47 51	49 foot)
P TEST WELL CONVERTED	TO PRODUCTION		E SLOT SIZE 1 2 2 3	LOCATION OF WELL ON LOT
I HEREBY CERTIFY THAT THIS WELL ACCORDANCE WITH COMAR 26.04.04	L HAS BEEN CONSTRU	CTED IN	DIAMETER (NEAREST	SHOW PERMANENT STRUCTURE SUCH AS BUILDING, SEPTIC TANKS, AND /OR
IN CONFORMANCE WITH ALL COND CAPTIONED PERMIT, AND THAT TH	ITIONS STATED IN THE	ABOVE	OF SCREEN INCH)	LANDMARKS AND INDICATE NOT LESS
HEREIN IS ACCURATE AND COMPLETE TO THE BEST OF MY KNOWLEDGE.			56 60 from to	THAN TWO DISTANCES (MEASUREMENTS TO WELL)
1 1 1 1 1 1			- O	WELGOTEMENTS TO WELL)
DRILLERS LIC. NO.1 M & D			GRAVEL PACK IF WELL DRILLED	V .
DDW FOO SOLUTION			WAS FLOWING WELL INSERT F IN BOX 68 68	D'w-
DRILLERS SIGNATURE (MUST MATCH SIGNATURE ON APPLICATION)			MDE USE ONLY	1 \ 1/2/1/10/1
LICANO, JADSAGA			(NOT TO BE FILLED IN BY DRILLER) T (E.R.O.S.) W Q	P. 10 To
	TATE	_, ·	(2.11.0.0.)	-600 / La
1/1/00/	Men	7	70 72	
SITE SUPERVISOR (sign. of responsible for sitework if different controls).			TELESCOPE LOG 74 75 76 CASING INDICATOR OTHER DATA	100
			CASING INDICATOR OTHER DATA	
DENV-CR00	- Say		OWNER	

c 1 3226	SEQUENC (MDE USE		STATE OF MARYLAND WELL COMPLETION REPORT	THIS REPORT MUST BE SUBMITTED WITHIN 45 DAYS AFTER WELL IS COMPLETED.
1 2 3 (THIS NUMBER IS TO BE F IN COLS. 3-6 ON ALL CAR			FILL IN THIS FORM COMPLETELY PLEASE TYPE	COUNTY NUMBER S37537
ST/CO USE ONLY DATE Received MM DO YY 8 13	DATE WELI	COMPL	ETED Depth of Well 22 2 26 20 (TO NEAREST FOOT)	PERMIT NO. FROM "PERMIT TO DRILL WELL" - G - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1
OWNER (male	landa	(× ,
STREET OR RFD	last name	- Cora	to Dyine first name TOWN Re	sexuille
SUBDIVISION			SECTION	LOT
WELL Not required to			WELL HAS BEEN GROUTED / IVI/INI	<u>C[3]</u>
STATE THE KIND OF FORMATIONS PENETRATED, THEIR COLOR, DEPTH, THICKNESS AND IF WATER BEARING			TYPE OF GROUTING MATERIAL (Circle one)	PUMPING TEST HOURS PUMPED (nearest hour)
DESCRIPTION (Use additional sheets if needed)	FEET FROM TO	check if water bearing	CEMENT CM BENTONITE CLAY BC NO. OF BAGS NO. OF POUNDS	PUMPING RATE (gal. per min.)
March	0 25	<i>,</i>	GALLONS OF WATER DEPTH OF GROUT SEAL (to nearest foot)	METHOD USED TO MEASURE PUMPING RATE
hat for	,		from ft. to ft. tr ft. tr ft	WATER LEVEL (distance from land surface)
F107			(enter 0 if from surface) casing CASING RECORD	BEFORE PUMPING 17 20 ft.
			types insert appropriate STEEL CONCRETE	WHEN PUMPING 22 25 ft.
		No.	code PL OT OTHER	TYPE OF PUMP USED (for test) A air P piston T turbine
*		,	MAIN Nominal diameter Total depth CASING top (main) casing of main casing TYPE (nearest inch)! (nearest foot)	27 27 27 other
		,	60 61 63 64 86 70	27 27 below)
		1	E OTHER CASING (if used) A diameter depth (feet)	J jet S submersible
			inch from to	PUMP INSTALLED DRILLER INSTALLED PUMP YES NO
₹.			N G	(CIRCLE) (YES or NO) IF DRILLER INSTALLS PUMP, THIS SECTION
			screen type SCREEN RECORD or open hole	MUST BE COMPLETED FOR ALL WELLS. TYPE OF PUMP INSTALLED PLACE (A,C,J,P,R,S,T,O) 29
2			or open hole ST BR HO OPEN Appropriate STEEL BRASS BRONZE HOLE	IN BOX 29. CAPACITY:
		Ny.	code below PLASTIC OTHER	(to nearest gallon) 31 35
NUMBER OF UNSUCCESSF	III WELLS:	1	C 2 DEPTH (nearest ft.)	PUMP HORSE POWER PUMP COLUMN LENGTH
WELL HYDROFRACTURED	yes Y	10 10	E 1 8 9 11 15 17 21	(nearest ft.) 43 CASING HEIGHT (circle appropriate box
CIRCLE APPROP	RIATE LETTER		A C C H 2 23 24 26 30 32 36	and enter casing height) LAND SURFACE
A WELL WAS ABANDON WHEN THIS WELL WAS ELECTRIC LOG OBTAIN	COMPLETED		S C <u>3</u> R 38 39 41 45 47 51	below (nearest)
P TEST WELL CONVERTED WELL	D TO PRODUCTION		E SLOT SIZE 1 2 3	LOCATION OF WELL ON LOT SHOW PERMANENT STRUCTURE SUCH AS
I HEREBY CERTIFY THAT THIS WE ACCORDANCE WITH COMAR 26.04. IN CONFORMANCE WITH ALL CON CAPTIONED PERMIT, AND THAT I HEREIN IS ACCURATE AND COM KNOWLEDGE.	D4 "WELL CONSTRUCT! DITIONS STATED IN TH THE INFORMATION PRI	ON" AND E ABOVE SENTED	DIAMETER (NEAREST INCH) 56 60 from to	BUILDING, SEPTIC TANKS, AND /OR LANDMARKS AND INDICATE NOT LESS THAN TWO DISTANCES (MEASUREMENTS TO WELL)
DRILLERS LIC. NO. 1	16006		GRAVEL PACK IF WELL DRILLED	just
DRILLERS SIGNATURE (MUST MATCH SIGNATURE O	N APPLICATION)		WAS FLOWING WELL INSERT F IN BOX 68 68 MDE USE ONLY	1 7900 Huan
LIC. NO.1	6006	G	(NOT TO BE FILLED IN BY DRILLER)	bude I ford
- Coffee	/vlace	2	70 72	Rd\ /11 € 1
SITE SUPERVISOR (sign. of responsible for sitework if diff	driller or journeym ferent from permitte	an e)	TELESCOPE LOG 74 75 76 CASING INDICATOR OTHER DATA	The state of the s
	>		·	

· · · · ·	C 1 324 1 SEQUENCE NO. (MDE USE ONLY)	STATE OF MARYLAND WELL COMPLETION REPORT	THIS REPORT MUST BE SUBMITTED WITHIN 45 DAYS AFTER WELL IS COMPLETED.
<i>i</i> .	(THIS NUMBER IS TO BE PUNCHED IN COLS. 3-6 ON ALL CARDS)	FILL IN THIS FORM COMPLETELY PLEASE TYPE	COUNTY 537155
	ST/CO USE ONLY DATE Received MM DO YY 8 13 15	Depth of Well 22 26 (TO NEAREST FOOT)	PERMIT NO. FROM "PERMIT TO DRILL WELL" - 95 - 1449 28 29 30 31 32 33 34 35 36 37
	OWNER GUDE LAN	DFILL	
-	STREET OR RFD		OCK VILLE
	SUBDIVISIONWELL LOG	SECTION GROUTING RECORD Yes no	LOT
	Not required for driven wells	WELL HAS BEEN GROUTED (Circle Appropriate Box)	C 3 _
	STATE THE KIND OF FORMATIONS PENETRATED, THEIR COLOR, DEPTH, THICKNESS AND IF WATER BEARING	TYPE OF GROUTING MATERIAL (Circle one)	PUMPING TEST HOURS PUMPED (nearest hour)
	DESCRIPTION (Use additional sheets if needed) FROM TO check if water bearing	CEMENT CM BENTONITE CLAY BC	// 8 9
	F11 03	NO. OF BAGS NO. OF POUNDS SCORE GALLONS OF WATER	PUMPING RATE (gal. per min.) 11 15 METHOD USED TO
		DEPTH OF GROUT SEAL (to nearest foot) from ft. to ft.	MEASURE PUMPING RATE
	John Charles Comment	from ft. to ft. 48 TOP 52 ft. to ft. (enter 0 if from surface)	WATER LEVEL (distance from land surface)
	1 12 14 4 19 18	casing CASING RECORD types CASING RECORD	BEFORE PUMPING 17 20 ft.
	Janes Carlos	insert STEEL CONCRETE CODE	WHEN PUMPING 22 25 ft.
	The T	below P L O T	TYPE OF PUMP USED (for test)
ادراه والأ		MAIN Nominal diameter Total depth CASING top (main) casing of main desing	A air P piston T turbine
d.L.		TYPE (nearest inch)! (nearest foot)	Centrifugal R rotary (describe below)
		60 61 63 64 66 70	J jet S submersible
		E OTHER CASING (if used) A diameter depth (feet) C inch from to	27 27
			PUMP INSTALLED DRILLER INSTALLED PUMP YES NO
			CIRCLE) (YES or NO)
		screen type SCREEN RECORD	MUST BE COMPLETED FOR ALL WELLS. TYPE OF PUMP INSTALLED
1		or open hole ST BR HO	PLACE (A,C,J,P,R,S,T,O) 29 IN BOX 29.
		insert STEEL BRASS OPEN appropriate BRONZE HOLE	CAPACITY: GALLONS PER MINUTE
		below PL OT PLASTIC OTHER	(to nearest gallon) 31 35
		C 2 DEPTH (nearest ft.)	PUMP HORSE POWER 37 41 PUMP COLUMN LENGTH
	NUMBER OF UNSUCCESSFUL WELLS: yes no	12	(nearest ft.)
	WELL HYDROFRACTURED Y	E 8 9 11 15 17 21 C	CASING HEIGHT (circle appropriate box and enter casing height)
	CIRCLE APPROPRIATE LETTER A WELL WAS ABANDONED AND SEALED	H ² 23 24 26 30 32 36	LAND SURFACE
:	WHEN THIS WELL WAS COMPLETED ELECTRIC LOG OBTAINED	C <u>3</u> R <u>38 39 41 45 47 51</u>	below (nearest) foot)
	P TEST WELL CONVERTED TO PRODUCTION WELL	E E SLOT SIZE 1 2 3	LOCATION OF WELL ON LOT
	I HERBY CERTIFY THAT THIS WELL HAS BEEN CONSTRUCTED IN ACCORDANCE WITH COMAR 26.04.04 "WELL CONSTRUCTION" AND IN CONFORMANCE WITH ALL CONDITIONS STATED IN THE ABOVE	DIAMETER (NEAREST OF SCREEN INCH)	SHOW PERMANENT STRUCTURE SUCH AS BUILDING, SEPTIC TANKS, AND /OR LANDMARKS AND INDICATE NOT LESS
	CAPTIONED PERMIT, AND THAT THE INFORMATION PRESENTED, HEREIN IS ACCURATE AND COMPLETE TO THE BEST OF MY KNOWLEDGE.	56 60 from to	THAN TWO DISTANCES (MEASUREMENTS TO WELL)
	DRILLERS LIC. NO. 1 M 6D 243 1	GRAVEL PACK	Last Cude Vic
	DRILLERS SIGNATURE	IF WELL DHILLED WAS FLOWING WELL INSERT F IN BOX 68 68	and the same of th
	(MUST MATCH SIGNATURE ON APPLICATION)	MDE USE ONLY (NOT TO BE FILLED IN BY DRILLER)	
	LIC. NO.1 26 D Q G S 1	T (E.R.O.S.) W Q	
ł	SITE SUPERVISOR (sign. of driller or journeyman	70 72 74 75 76 TELESCOPE LOG	
L	responsible for sitework if different from permittee)	CASING INDICATOR OTHER DATA	

C 1 3212	(MDE USE ONLY)	STATE OF MARYLAND	THIS REPORT MUST BE SUBMITTED WITHIN 45 DAYS AFTER WELL IS COMPLETED.
1 2 3 6 (THIS NUMBER IS TO BE P	INCHED	WELL COMPLETION REPORT FILL IN THIS FORM COMPLETELY	COLINTY
IN COLS. 5-6 ON ALL CARE	OS) ·	PLEASE TYPE	NUMBER > 5 / (> >
ST/CO USE ONLY DATE Received	DATE WELL COMP	w	PERMIT NO. FROM "PERMIT TO DRILL WELL"
MM DD YY 13	15 74	22 5 26 20 (TO NEAREST FOOT)	$\frac{M0}{28}$ $\frac{-9}{29}$ $\frac{-9}{30}$ $\frac{-9}{31}$ $\frac{-9}{32}$ $\frac{-9}{33}$ $\frac{-9}{34}$ $\frac{-9}{35}$ $\frac{-9}{36}$ $\frac{-9}{37}$
OWNER_ (Tw/o	1216.11	(TO REALEST FOOT)	20 29 30 31 32 33 34 35 36 37
STREET OR RFD	lest name	tie Talve first name TOWN 7	or Vulla MD 20850
SUBDIVISION		SECTION	LOT
WELL Not required for		GROUTING RECORD YES, no	C 3
STATE THE KIND OF FORMAT		WELL HAS BEEN GROUTED (Circle Appropriate Box)	1 2 PUMPING TEST
COLOR, DEPTH, THICKNESS	AND IF WATER BEARING FEET , check	TYPE OF GROUTING MATERIAL (Circle one) CEMENT C M BENTONITE CLAY B C	HOURS PUMPED (nearest hour)
DESCRIPTION (Use additional sheets if needed)	FROM TO bearing	NO. OF BAGS NO. OF POUNDS 45 46	DUNADING DATE (ref res min)
Person of Project	030	GALLONS OF WATER 2	PUMPING RATE (gal. per min.) 11 15
Comment of the Comment		DEPTH OF GROUT SEAL (to nearest foot)	METHOD USED TO MEASURE PUMPING RATE
July the James of	÷	from ft. to ft.	WATER LEVEL (distance from land surface)
Bock	20 11	(enter 0 if from surface)	BEFORE PUMPING ft.
DOCK		types	17 20
* 1 2	A STANDARD	appropriate STEEL CONCRETE	WHEN PUMPING 22 25 ft.
		code below	TYPE OF PUMP USED (for test)
ge ever get en en en en en en en en en en en en en		MAIN Nominal diameter Total depth	A air P pięton T turbine
A. C.		CASING top (main) casing of main casing TYPE (nearest inch)! (nearest foot)	other
and the p		72 2 33	C centrifugal R rotary 0 (describe below)
		60 61 63 64 66 70	J jet S submersible
	₹ 1	E OTHER CASING (if used) A diameter depth (feet)	27 27
2		H inch from to	PUMP INSTALLED
		Å	DRILLER INSTALLED PUMP YES NO (CIRCLE) (YES or NO)
	And the second of the second o	N C	IF DRILLER INSTALLS PUMP, THIS SECTION
		screen type SCREEN RECORD	MUST BE COMPLETED FOR ALL WELLS. TYPE OF PUMP INSTALLED
		corcon type	PLACE (A,C,J,P,R,S,T,O) 29
		INSERT STEEL BRASS OPEN	IN BOX 29. CAPACITY:
		code below BBONZE HOLE	GALLONS PER MINUTE (to nearest gallon) 31 35
		PLASTIC OTHER	PUMP HORSE POWER
NUMBER OF UNIQUESES		C 2 DEPTH (nearest ft.)	PUMP COLUMN LENGTH 37 41
NUMBER OF UNSUCCESSFU		12 P2 32 52	(nearest ft.) 43 47
WELL HYDROFRACTURED	Yes N	A 8 9 11 15 17 21	CASING HEIGHT (circle appropriate box and enter casing height)
CIRCLE APPROPE		C 2 4 26 30 32 36	above LAND SURFACE
A WELL WAS ABANDONE WHEN THIS WELL WAS C		S 23 24 26 30 32 36 S	helow (nearest)
E ELECTRIC LOG OBTAINE	D	R 38 39 41 45 47 51	49 foot)
P TEST WELL CONVERTED WELL		E SLOT SIZE 1	LOCATION OF WELL ON LOT
I HEREBY CERTIFY THAT THIS WELL ACCORDANCE WITH COMAR 26.04.04 IN CONFORMANCE WITH ALL COND	"WELL CONSTRUCTION" AND	DIAMETER (NEAREST	SHOW PERMANENT STRUCTURE SUCH AS BUILDING, SEPTIC TANKS, AND /OR
CAPTIONED PERMIT, AND THAT THE HEREIN IS ACCURATE AND COMP	IE INFORMATION PRESENTED	OF SCREEN INCH)	LANDMARKS AND INDICATE NOT LESS THAN TWO DISTANCES
KNOWLEDGE.		from to	(MEASUREMENTS TO WELL)
DRILLERS LIC. NO. 1 M	40 465 1	GRAVEL PACK IF WELL DRILLED	Lane 7
DRILLERS SIGNATURE	<u> </u>	WAS FLOWING WELL INSERT F IN BOX 68 68	Q. I
(MUST MATCH SIGNATURE ON		MDE USE ONLY (NOT TO BE FILLED IN BY DRILLER)	1000
LIC. NO.1	140 06U.	T (E.R.O.S.) W Q	E 1600 100
Mod ()	1/2000	70 72	Gude \
SITE SUPERVISOR (sign. of or responsible for sitework if diffe	driller or journeyman erent from permittee)	TELESCOPE LOG 74 75 76	Pl. Spiral
		CASING INDICATOR OTHER DATA	
DENV-CR00		OWNER	į

C 1 3213 SEQUENCE NO. (MDE USE ONLY)	STATE OF MARYLAND	THIS REPORT MUST BE SUBMITTED WITHIN 45 DAYS AFTER WELL IS COMPLETED.
1 2 3 6 (THIS NUMBER IS TO BE PUNCHED	FILL IN THIS FORM COMPLETELY	COUNTY 537/55
IN COLS. 3-6 ON ALL CARDS) ST/CO USE ONLY DATE WELL COMP	PLEASE TYPE LETED Depth of Well	PERMIT NO.
DATE Received MM DD YY	Y 22 30 26	FROM "PERMIT TO DRILL WELL"
8 13 15	20 (TO NEAREST FOOT)	28 29 30 31 32 33 34 35 36 37
OWNER GOO F SAUCE	- AND FILL	
STREET OR RFD STREET OF RFD	TOWN	Rugherite
SUBDIVISION	SECTION Yes 10	LOT
WELL LOG Not required for driven wells	WELL HAS BEEN GROUTED	C 3
STATE THE KIND OF FORMATIONS PENETRATED, THEIR COLOR, DEPTH, THICKNESS AND IF WATER BEARING	(Circle Appropriate Box) TYPE OF GROUTING MATERIAL (Circle one)	PUMPING TEST
DESCRIPTION (Use FEET check	CEMENT CM) BENTONITE CLAY BC	HOURS PUMPED (nearest hour)
additional sheets if needed) FROM TO bearing	NO. OF BAGS NO. OF POUNDS 55.46	PUMPING RATE (gal. per min.)
Round FO 6 45	GALLONS OF WATER	METHOD USED TO
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	DEPTH OF GROUT SEAL (to nearest foot)	MEASURE PUMPING RATE
	from 48 TOP 52 ft. to 54 BOTTOM 58 ft.	WATER LEVEL (distance from land surface)
Some J G	(enter 0 if from surface) casing CASING RECORD	BEFORE PUMPING 17 20 ft.
1107	types ST CO	
	appropriate STEEL CONCRETE	WHEN PUMPING 22 25 ft.
	below PL OT	TYPE OF PUMP USED (for test)
	MAIN Nominal diameter Total depth	A air P piston T turbine
	CASING top (main) casing of main casing TYPE (nearest inch)! (nearest foot)	C centrifugal R rotary O other (describe
	PL 2 10	27 below)
	60 61 63 64 66 70	J jet S submersible
	E OTHER CASING (if used) A diameter depth (feet)	27 27
	H inch from to	PUMP INSTALLED
	A S	DRILLER INSTALLED PUMP YES NO (CIRCLE) (YES or NO)
	N G	IF DRILLER INSTALLS PUMP, THIS SECTION
	screen type SCREEN RECORD	MUST BE COMPLETED FOR ALL WELLS. TYPE OF PUMP INSTALLED
	or open hole ST BR HO	PLACE (A,C,J,P,R,S,T,O) 29 IN BOX 29.
	STEEL BRASS OPEN	CAPACITY:
	(appropriate code below) BRONZE HOLE O T	GALLONS PER MINUTE (to nearest gallon) 31 35
1	PENSAGE OTHER	PUMP HORSE POWER
	C 2 DEPTH (nearest ft.)	PUMP COLUMN LENGTH 41
NUMBER OF UNSUCCESSFUL WELLS:	12 / 10 700	(nearest ft.) 43 47
WELL HYDROFRACTURED yes N	E 1 8 9 11 15 17 21	CASING HEIGHT (circle appropriate box and enter casing height)
CIRCLE APPROPRIATE LETTER	C 2	Above LAND SURFACE
A WELL WAS ABANDONED AND SEALED WHEN THIS WELL WAS COMPLETED	23 24 26 30 32 36 S	helow (nearest)
E ELECTRIC LOG OBTAINED	C 3 R 38 39 41 45 47 51	49 foot)
P TEST WELL CONVERTED TO PRODUCTION WELL	E SLOT SIZE 1 2 3	LOCATION OF WELL ON LOT
I HEREBY CERTIFY THAT THIS WELL HAS BEEN CONSTRUCTED IN ACCORDANCE WITH COMAR 26.04.04 "WELL CONSTRUCTION" AND IN CONFORMANCE WITH ALL CONDITIONS STATED IN THE ABOVE	N DIAMETER (NEAREST	SHOW PERMANENT STRUCTURE SUCH AS BUILDING, SEPTIC TANKS, AND /OR
CAPTIONED PERMIT, AND THAT THE INFORMATION PRESENTED HEREIN IS ACCURATE AND COMPLETE TO THE BEST OF MY	OF SCREEN ÎNCH) 56 60	'[LANDMARKS AND INDICATE NOT LESS THAN TWO DISTANCES
KNOWLEDGE.	from to	(MEASUREMENTS TO WELL)
DRILLERS LIC NO. , M 6D 063 1	GRAVEL PACK Free Line Control of the	6 mas
DRILLERS SIGNATURE	WAS FLOWING WELL INSERT F IN BOX 68 68	
(MUST MATCH SIGNATURE ON APPLICATION)	MDE USE ONLY (NOT TO BE FILLED IN BY DRILLER)	17800
LIC NO. 1 5 GD CIGGI	T (E.R.O.S.) W Q	E V
When Him	70 72	` A
SITE SUPERVISOR (sign. of driller or journeyman		gut \
responsible for sitework if different from permittee)	CASING INDICATOR OTHER DATA	
DENV-CR00	OWNER	

SEQUENCE NO. THIS REPORT MUST BE SUBMITTED WITHIN STATE OF MARYLAND (MDE USE ONLY) 45 DAYS AFTER WELL IS COMPLETED. WELL COMPLETION REPORT COUNTY THIS NUMBER IS TO BE PUNCHED FILL IN THIS FORM COMPLETELY NUMBER IN COLS. 3-6 ON ALL CARDS) PLEASE TYPE ST/CO USE ONLY DATE WELL COMPLETED Depth of Well DATE Received FROM "PERMIT TO DRILL WELL" - 114 5 5 5 1 4 2 29 30 31 32 33 34 35 36 37 (TO NEAREST FOOT) OWNER. Ruckulle STREET OR RFD_ **TOWN SUBDIVISION** SECTION LOT WELL LOG **GROUTING RECORD** 3 WELL HAS BEEN GROUTED (Circle Appropriate Box) Not required for driven wells **PUMPING TEST** STATE THE KIND OF FORMATIONS PENETRATED, THEIR COLOR, DEPTH, THICKNESS AND IF WATER BEARING TYPE OF GROUTING MATERIAL (Circle one) HOURS PUMPED (nearest hour) CEMENT CM check if water bearing BENTONITE CLAY B FEET DESCRIPTION (Use additional sheets if needed) FROM TO PUMPING RATE (gal. per min.) NO. OF BAGS NO. OF POUNDS GALLONS OF WATER METHOD USED TO MEASURE PUMPING RATE L DEPTH OF GROUT SEAL (to nearest foot) WATER LEVEL (distance from land surface) (enter 0 if from surface) BEFORE PUMPING CASING RECORD casing types CONCRETE insert WHEN PUMPING appropriate 25 OIT TYPE OF PUMP USED (for test) below piston T turbine Nominal diameter Total depth MĂIN top (main) casing of main casing CASING other (nearest inch)! (nearest foot) C centrifugal TYPE 0 (describe below) 60 61 63 64 66 70 S J jet submersible OTHER CASING (if used) diameter depth (feet) from **PUMP INSTALLED** DRILLER INSTALLED PUMP NO (CIRCLE) (YES or NO) IF DRILLER INSTALLS PUMP, THIS SECTION MUST BE COMPLETED FOR ALL WELLS. SCREEN RECORD TYPE OF PUMP INSTALLED screen type PLACE (A,C,J,P,R,S,T,O) IN BOX 29. or open hole HIO SIT BR insert CAPACITY: appropriate HOLE BRONZE **GALLONS PER MINUTE** code OT (to nearest gallon) 35 below PUMP HORSE POWER 41 C 2 DEPTH (nearest ft.) PUMP COLUMN LENGTH NUMBER OF UNSUCCESSFUL WELLS: (nearest ft.) 47 CASING HEIGHT (circle appropriate box **WELL HYDROFRACTURED** Y (N and enter casing height) above LAND SURFACE CIRCLE APPROPRIATE LETTER 24 26 A WELL WAS ABANDONED AND SEALED s (nearest) WHEN THIS WELL WAS COMPLETED below foot) ELECTRIC LOG OBTAINED 41 39 50 51 TEST WELL CONVERTED TO PRODUCTION LOCATION OF WELL ON LOT SLOT SIZE 1_ Δ I HEREBY CERTIFY THAT THIS WELL HAS BEEN CONSTRUCTED IN ACCORDANCE WITH COMAR 26.04.04 "WELL CONSTRUCTION" AND IN CONFORMANCE WITH ALL CONDITIONS STATED IN THE ABOVE CAPTIONED PERMIT, AND THAT THE INFORMATION PRESENTED HEREIN IS ACCURATE AND COMPLETE TO THE BEST OF MY KNOWLEDGE. SHOW PERMANENT STRUCTURE SUCH AS DIAMETER BUILDING, SEPTIC TANKS, AND /OR (NEAREST OF SCREEN LANDMARKS AND INDICATE NOT LESS THAN TWO DISTANCES from (MEASUREMENTS TO WELL) DRILLERS LIC. NO. M 6D 263 GRAVEL PACK GRAVEL PACK
IF WELL DRILLED
WAS FLOWING WELL INSERT F IN BOX 68 68 DRILLERS SIGNATURE (MUST MATCH SIGNATURE ON APPLICATION) (NOT TO BE FILLED IN BY DRILLER) 760 <u>06 0</u> (E.R.O.S.) w Q 72 SITE SUPERVISOR (sign. of driller or journeyman 74 75 76 TELESCOPE LOG INDICATOR responsible for sitework if different from permittee) OTHER DATA

C1 3215	SEQUENCE NO. (MDE USE ONLY)	STATE OF MARYLAND WELL COMPLETION REPORT	THIS REPORT MUST BE SUBMITTED WITHIN 45 DAYS AFTER WELL IS COMPLETED.
1 2 3 (THIS NUMBER IS TO BE PU IN COLS. 3-6 ON ALL CARE		FILL IN THIS FORM COMPLETELY PLEASE TYPE	COUNTY SS7S27
ST/CO USE ONLY DATE-Received MM DD YY	DATE WELL COMPL	ETED Depth of Well	PERMIT NO. FROM "PERMIT TO DRILL WELL" M. 1 - G C - 1(4)
8 13	15	20 (TO NEAREST FOOT)	28 29 30 31 32 33 34 35 36 37
OWNER GOLDEN	Clast name Crea do	first name TOVAN DIS	sevuille mi
STREET OR RFD	10 E. Grage	SECTION	LOT
WELL	LOG	GROUTING RECORD Yes no	C 3
Not required for		WELL HAS BEEN GROUTED (Circle Appropriate Box)	1 2 PUMPING TEST
STATE THE KIND OF FORMAT COLOR, DEPTH, THICKNESS	,	TYPE OF GROUTING MATERIAL (Circle one)	HOURS PUMPED (nearest hour)
DESCRIPTION (Use additional sheets if needed)	FEET check if water bearing	CEMENT CM BENTONITE CLAY BC NO. OF BAGS NO. OF POUNDS A5 A5 NO. OF POUNDS	8 9
Top Cont	01	GALLONS OF WATER	PUMPING RATE (gal. per min.)
Top Can		DEPTH OF GROUT SEAL (to nearest foot)	METHOD USED TO MEASURE PUMPING RATE
Down Dry	1 15	from ft. to ft ft.	WATER LEVEL (distance from land surface)
The constact		(enter 0 if from surface)	BEFORE PUMPING ft.
		types	17 20
	James James 1	(appropriate) STEEL CONCRETE	WHEN PUMPING 22 25 ft.
Some post		code below PLASTIC OTT	TYPE OF PUMP USED (for test)
		MAIN Nominal diameter Total depth	A air P piston T turbine
		CASING top (main) casing of main casing TYPE (nearest inch)! (nearest foot)	C centrifugal R rotary O other (describe
		14 2 5	27 below)
	د. د .	60 61 63 64 66 70	J jet S submersible
	į.	OTHER CASING (if used) A diameter depth (feet) Inch from to	21 21
	2006	inch from to	PUMP INSTALLED DRILLER INSTALLED PUMP YES NO
	i i	ŝ	DRILLER INSTALLED PUMP YES NO (CIRCLE) (YES or NO)
		Z G	IF DRILLER INSTALLS PUMP, THIS SECTION MUST BE COMPLETED FOR ALL WELLS.
	•	screen type SCREEN RECORD	TYPE OF PUMP INSTALLED
		or open hole ST BR HO OPEN	PLACE (A,C,J,P,R,S,T,O) 29 IN BOX 29.
		appropriate BBONZE HOLE	CAPACITY: GALLONS PER MINUTE
		below PEASTIC OTHER	(to nearest gallon) 31 35
		C 2 DEPTH (nearest ft.)	PUMP HORSE POWER 37 41
NUMBER OF UNSUCCESSFO	UL WELLS:	C 2 DEPTH (nearest ft.)	PUMP COLUMN LENGTH (nearest ft.)
WELL HYDROFRACTURED	yes no	E 1	43 47 CASING HEIGHT (circle appropriate box
	YN	A C C 2	and enter casing height)
CIRCLE APPROPE	ED AND SEALED	H 23 24 26 30 32 36 S	LAND SURFACE (nearest)
E ELECTRIC LOG OBTAINE		C 3 R 38 39 41 45 47 51	below below foot)
P TEST WELL CONVERTED	TO PRODUCTION	E SLOT SIZE 1 2 2 3 0	A LOCATION OF WELL ON LOT
I HEREBY CERTIFY THAT THIS WELL ACCORDANCE WITH COMAR 26.04.0	4 "WELL CONSTRUCTION" AND	N DIAMETER "> (NEAREST	SHOW PERMANENT STRUCTURE SUCH AS BUILDING, SEPTIC TANKS, AND /OR
IN CONFORMANCE WITH ALL COND CAPTIONED PERMIT, AND THAT TI HEREIN IS ACCURATE AND COMI KNOWLEDGE.	HE INFORMATION PRESENTED	OF SCREEN NCH) 56 60 from to	LANDMARKS AND INDICATE NOT LESS THAN TWO DISTANCES (MEASUREMENTS TO WELL)
DRILLERS LIC. NO.1 /M	1 DD 363.	GRAVEL PACK	your o
1		IF WELL DRILLED WAS FLOWING WELL	1 d
DRILLERS SIGNATURE (MUST MATCH SIGNATURE ON	N APPLICATION)	INSERT F IN BOX 68 68 MDE USE ONLY	1800
LIC. NO.1	GD 666	(NOT TO BE FILLED IN BY DRILLER) T (E.R.O.S.) W Q	
11/1/2 1 6	11/4	(=1)	~ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \
SITE SUPERVISOR (sign. of		70 72 74 75 76	Course Tool 19 W
responsible for sitework if diffe	erent from permittee)	TELESCOPE LOG CASING INDICATOR OTHER DATA	Per 100
DENV-CR00		OWNER	

	C 1 321 A	(MDE USE		STATE OF MARYLAND	THIS REPORT MUST BE SUBMITTED WITHIN 45 DAYS AFTER WELL IS COMPLETED.
	1 2 3 (THIS NUMBER IS TO BE PI IN COLS. 3-6 ON ALL CARD			WELL COMPLETION REPORT FILL IN THIS FORM COMPLETELY PLEASE TYPE	COUNTY NUMBER 537527
	ST/CO USE ONLY DATE-Received	DATE WELL	COMPL	· · ·	PERMIT NO. FROM "PERMIT TO DRILL WELL"
	8 13	15	- The second of	22	$\frac{1000 - 900 - 1000}{28 + 29 + 30 + 31 + 32 + 33 + 34 + 35 + 36 + 37}$
	OWNER	last name	***	first name	
	STREET OR RFD	700 { 6 4	×-26	TOWN	LOT LOT
	WELL	LOG		GROUTING RECORD YES TO	C3
	Not required fo		THEID	WELL HAS BEEN GROUTED (Circle Appropriate Box)	1 2 PUMPING TEST
	COLOR, DEPTH, THICKNESS	AND IF WATER BEA	RING	TYPE OF GROUTING MATERIAL (Circle one) CEMENT CM BENTONITE CLAY BC	HOURS PUMPED (nearest hour)
	DESCRIPTION (Use additional sheets if needed)	FROM TO	if water bearing	NO. OF BAGS NO. OF POUNDS	PUMPING RATE (gal. per min.)
	Top Seil			GALLONS OF WATER DEPTH OF GROUT SEAL (to nearest foot)	METHOD USED TO MEASURE PUMPING RATE
	Evenin Prof	1 1		from	WATER LEVEL (distance from land surface)
	front de			(enter 0 if from surface)	BEFORE PUMPING ft.
	" GH	,	į.	types ST CO	WHEN PUMPING
	Same Month	15 70		appropriate code below PL OT	TYPE OF PUMP USED (for test)
	James Completion of			MAIN Nominal diameter Total depth	air P piston T turbine
	***			CASING top (main) casing of main casing TYPE (nearest inch)! (nearest foot)	C centrifugal R rotary O (describe
2				60 61 63 64 66 70	27 Delow)
			\$ **	E OTHER CASING (if used)	J jet S submersible
75 T				diameter depth (feet) H inch from to	PUMP INSTALLED
era Bos	ž.	a.e	e dise		DRILLER INSTALLED PUMP YES NO (CIRCLE) (YES or NO)
				Z	"IF BRILLER INSTALLS PUMP, THIS SECTION MUST BE COMPLETED FOR ALL WELLS.
Sec. Company		. ** **.		screen type SCREEN RECORD or open hole	TYPE OF PUMP INSTALLED PLACE (A,C,J,P,R,S,T,O) 29
				or open hole ST BRASS OPEN Appropriate STEEL BRASS BRANS HOLE	IN BOX 29. CAPACITY:
				code below PL OT	GALLONS PER MINUTE (to nearest gallon) 31 35
		* .		PEASTIC OTHER	PUMP HORSE POWER
	NUMBER OF UNSUCCESSFO	UL WELLS:	1	C 2 DEPTH (nearest ft.)	PUMP COLUMN LENGTH (nearest ft.)
	WELL HYDROFRACTURED	yes Y		E 1 8 9 11 15 17 21	CASING HEIGHT (circle appropriate box and enter casing height)
	CIRCLE APPROP	RIATE LETTER		C H 2 23 24 26 30 32 36	+ above LAND SURFACE
	A WELL WAS ABANDONE WHEN THIS WELL WAS (E ELECTRIC LOG OBTAINE	COMPLETED		S C 3 R 38 39 41 45 47 51	below (nearest) foot)
	P TEST WELL CONVERTED WELL			R 38 39 41 45 47 51 E E SLOT SIZE 1 2 2 3 C	LOCATION OF WELL ON LOT
	I HEREBY CERTIFY THAT THIS WEL ACCORDANCE WITH COMAR 26.04.0 IN CONFORMANCE WITH ALL CONE	4 "WELL CONSTRUCT!	ON" AND	N DIAMETER (NEAREST	SHOW PERMANENT STRUCTURE SUCH AS BUILDING, SEPTIC TANKS, AND /OR
	IN CONFORMANCE WITH ALL CONL CAPTIONED PERMIT, AND THAT TI HEREIN IS ACCURATE AND COM KNOWLEDGE.	HE INFORMATION PRI	SENTED	OF SCREEN INCH) 56 60 from to	LANDMARKS AND INDICATE NOT LESS THAN TWO DISTANCES (MEASUREMENTS TO WELL)
	DRILLERS LIC. NO. 1 / M	16D06	3 ,	GRAVEL PACK	U (MENSONEMENTS TO WELL)
			2	IF WELL DRILLED WAS FLOWING WELL INSERT F IN BOX 68 68	
	DRILLERS SIGNATURE ON (MUST MATCH SIGNATURE ON	.	1	MDE USE ONLY (NOT TO BE FILLED IN BY DRILLER)	Godo E Spring
ĺ	LIC. NO.y	,60 <u>06</u>	١ ٢	T (E.R.O.S.) W Q	
	SITE SUPERVISOR (sign. of	driller or iourneyma	an	70 72 74 75 76	
	responsible for sitework if diffe	erent from permitte	e)	TELESCOPE LOG 74 79 76 CASING INDICATOR OTHER DATA	
	DENV-CR00			OWNER	

	C1 3218	SEQUENO (MDE USE		STATE OF MARYLAND WELL COMPLETION REPORT	THIS REPORT MUST BE SUBMITTED WITHIN 45 DAYS AFTER WELL IS COMPLETED.
	1 2 3 6 (THIS NUMBER IS TO BE PI IN COLS. 3-6 ON ALL CARD			FILL IN THIS FORM COMPLETELY PLEASE TYPE	COUNTY NUMBER 537527
	ST/CO USE ONLY DATE-Received	DATE WEL		ETED Depth of Well	PERMIT NO. FROM "PERMIT TO DRILL WELL"
	MM DD YY 8 13	44 (00 Y	22 26 20 (TO NEAREST FOOT)	MO 95 1136
	OWNER_(make	15	(. 11	20 (10 NEAREST POOT)	28 29 30 31 32 33 34 35 36 37
	STREET OR RFD/	last name	(-1.	first name TOWN 2	sexullo
	SUBDIVISION			SECTION	LOT
	WELL Not required for			GROUTING RECORD WELL HAS BEEN GROUTED	<u>C 3 </u>
	STATE THE KIND OF FORMAT COLOR, DEPTH, THICKNESS	······································	, THEIR	WELL HAS BEEN GROUTED (Circle Appropriate Box) TYPE OF GROUTING MATERIAL (Circle one)	PUMPING TEST
·	DESCRIPTION (Use	FEET	check if water	CEMENT CM BENTONITE CLAY BC	HOURS PUMPED (nearest hour)
	additional sheets if needed)	FROM TO	bearing	NO. OF BAGS 46 9 NO. OF POUNDS 45 46 9	PUMPING RATE (gal. per min.)
	A Company of the second	925		GALLONS OF WATER	METHOD USED TO
	Franks			DEPTH OF GROUT SEAL (to nearest foot) from ft. to ft.	MEASURE PUMPING RATE
	211			48 TOP 52 54 BOTTOM 58 (enter 0 if from surface)	WATER LEVEL (distance from land surface)
	,	10		casing CASING RECORD	BEFORE PUMPING 17 20 ft.
	Transfer Sange		F . 704	types insert ST CO	WHEN PUMPING ft.
	a comment			appropriate code below PL OT	TYPE OF PUMP USED (for test)
	·			PEASHE OTHER	A air P piston T turbine
	fudion jak	1080		MAIN Nominal diameter Total depth CASING top (main) casing of main casing	27 27 other
				TYPE (nearest inch)! (nearest foot)	C centrifugal R rotary O (describe below)
	Si Si Marajana Si James Si Si Si Si Si Si Si Si Si Si Si Si Si	~ 0	,	60 61 63 64 66 70	J jet S submersible
-	Connection	80 1		E OTHER CASING (if used) A diameter depth (feet)	27 27
3 0	rock	4	1		PUMP INSTALLED
	,		÷	A so	DRILLER INSTALLED PUMP YES NO (CIRCLE) (YES or NO)
	d. Ref			G	F DRILLER INSTALLS PUMP, THIS SECTION
¥. 3				screen type SCREEN RECORD	MUST BE COMPLETED FOR ALL WELLS. TYPE OF PUMP INSTALLED
	10			or open hole	PLACE (A,C,J,P,R,S,T,O) 29 IN BOX 29.
	1.5.			appropriate STEEL BRASS OPEN BRONZE HOLE	CAPACITY:
	93			below / PL OT	(to nearest gallon) GALLONS PER MINUTE (131 35
				OTHER OTHER	PUMP HORSE POWER
	NUMBER OF UNSUCCESSFU	JL WELLS:		DEPTH (nearest ft.)	PUMP COLUMN LENGTH (nearest ft.)
		yes	<u></u>	F1 /2 73 93	CASING HEIGHT (circle appropriate box
	WELL HYDROFRACTURED	Y		A 8 9 11 15 17 21	+ above) (circle appropriate box and enter casing height)
	CIRCLE APPROPE		Ĵ	8 21 24 26 30 32 36 S	49 LAND SURFACE
	A WELL WAS ABANDONED AND SEALED WHEN THIS WELL WAS COMPLETED			Сз	(nearest) foot)
	P TEST WELL CONVERTED			R 38 39 41 45 47 51	A LOCATION OF WELL ON LOT
ł	WELL I HEREBY CERTIFY THAT THIS WELI	L HAS BEEN CONSTR	UCTED IN	E SLOT SIZE 1 2 3 3	SHOW PERMANENT STRUCTURE SUCH AS
	ACCORDANCE WITH COMAR 26.04.04 "WELL CONSTRUCTION" AND IN CONFORMANCE WITH ALL CONDITIONS STATED IN THE ABOVE CAPTIONED PERMIT. AND THAT THE INFORMATION PRESENTED			DIAMETER (NEAREST INCH)	BUILDING, SEPTIC TANKS, AND /OR LANDMARKS AND INDICATE NOT LESS
	HEREIN IS ACCURATE AND COMPLETE TO THE BEST OF MY KNOWLEDGE.			56 60 from to	THAN TWO DISTANCES (MEASUREMENTS TO WELL)
	DRILLERS LIG. NO. M LOD 263			GRAVEL PACK	116
	DRILLERS SIGNATURE (MUST MATCH SIGNATURE ON APPLICATION) LIC. NO. 1 7 6 D 0 6 41			IF WELL DRILLED WAS FLOWING WELL INSERT F IN BOX 68 68	A l
				MDE USE ONLY	
				(NOT TO BE FILLED IN,BY DRILLER) T (E.R.O.S.) W Q	- 10 10 10°
	Mid Wu	-77		70 72	God &
	SITE SUPERVISOR (sign. of responsible for sitework if diffe			TELESCOPE LOG 74 75 76	
Ĺ		, , , , , , , , , , , , , , , , , , ,	-,	CASING INDICATOR OTHER DATA	
	DENV-CR00			OWNER	

WELL COMPLETION REPORT FILL IN THIS FORM COMPLETELY NUMBER IS TO BE PUNCHED ST/CO USE ONLY DATE Received: MM DD WELL COMPLETED Depth of Well FROM "PERMIT NO. FROM "PERMIT TO DRILL W TO NEAREST FOOT) Depth of Well FROM "PERMIT TO DRILL W TO NEAREST FOOT) WELL LOG Not required for driven wells STATE THE KIND OF FORMATIONS PENETRATED, THEIR COLOR, DEPTH, THICKNESS AND IF WATER BEARING DESCRIPTION (Use FEET Check IT WELL COMPLETION REPORT FILL IN THIS FORM COMPLETELY NUMBER Depth of Well FROM "PERMIT NO. FROM "PERMIT	
DATE Received: MM	
MM DD W 8 13 15 20 (TO NEAREST FOOT) CONNER STREET OR RFD Lost name STREET OR RFD Substitution WELL LOG Not required for driven wells STATE THE KIND OF FORMATIONS PENETRATED, THEIR COLOR, DEPTH, THICKNESS AND IF WATER BEARING DESCRIPTION (Use FEET Check if Water if Water if Water in the color is a second of the color of t	ELL"
OWNER GRADE STREET OR RFD 6 Set name For the support of the suppor	36 37
STREET OR RFD	
WELL LOG Not required for driven wells STATE THE KIND OF FORMATIONS PENETRATED, THEIR COLOR, DEPTH, THICKNESS AND IF WATER BEARING DESCRIPTION (Use Color, Depth, Thickness and Description (Use) FEET Check (if water life wa	
Not required for driven wells STATE THE KIND OF FORMATIONS PENETRATED, THEIR COLOR, DEPTH, THICKNESS AND IF WATER BEARING DESCRIPTION (Use FEET check if water if water in the color) DESCRIPTION (Use FEET check if water if water in the color) Not required for driven wells WELL HAS BEEN GROUTED 44	1
STATE THE KIND OF FORMATIONS PENETRATED, THEIR COLOR, DEPTH, THICKNESS AND IF WATER BEARING DESCRIPTION (Use FEET check if water leaves for w	
DESCRIPTION (Use FEET check if water	
PUMPING RATE (gal. per min.)	15
GALLONS OF WATER METHOD USED TO MEASURE PUMPING RATE	15
from to the to the	
(enter 0 if from surface)	
casing CASING RECORD BEFORE PUMPING 17 20 ft	•
insert appropriate STEEL CONCRETE WHEN PUMPING 22 25 ft	
code below PL OT Type OF PUMP USED (for test).	
A Address Mominal diameter Total doubth	bine
CASING top (main) casing of main casing 2/ 2/ of	ner escribe
TYPE (nearest inch)! (nearest foot) C centrifugal R rotary O (d) be	low)
J jet S submersible .	
E OTHER CASING (if used) A diameter depth (feet) I inch from to	
H inch from to PUMP INSTALLED A DRILLER INSTALLED YES	NO
S (CIRCLE) (YES or NO)	IVO
IF DRILLER INSTALLS PUMP, THIS SECTION MUST BE COMPLETED FOR ALL WELLS.	
screen type SCREEN RECORD TYPE OF PUMP INSTALLED PLACE (A,C,J,P,R,S,T,O)	•
insert STEEL BRASS OPEN IN BOX 29.	
(appropriate code) BRONZE HOLE GALLONS PER MINUTE	35
below PLASTIC OTHER PUMP HORSE POWER	33
C 2 DEPTH (nearest ft.) PLIMP COLLIMN LENGTH	41
NUMBER OF UNSUCCESSFUL WELLS: 1 2 (nearest ft.)	47
WELL HYDROFRACTURED Yes N A B 9 11 15 17 21 CASING HEIGHT (circle appropriate box and enter casing height and enter casing height)	
CIRCLE APPROPRIATE LETTER C 2 2 32 24 26 30 32 36 49 1 AND SURFACE	,
A A WELL WAS ABANDONED AND SEALED S C 3 below	arest)
E ELECTRIC LOG OBTAINED R 38 39 41 45 47 51 49 50 51	/
I HEREBY CERTIFY THAT THIS WELL HAS BEEN CONSTRUCTED IN N SHOW PERMANENT STRUCTURE SUCH	AS
ACCORDANCE WITH COMAR 26.04.04 "WELL CONSTRUCTION" AND IN CONFORMANCE WITH ALL CONDITIONS STATED IN THE ABOVE CAPTIONED PERMIT, AND THAT THE INFORMATION PRESENTED OF SCREEN (NEAREST INCH) BUILDING, SEPTIC TANKS, AND IOR LANDMARKS AND INDICATE NOT LESS	
HEREIN IS ACCURATE AND COMPLETE TO THE BEST OF MY KNOWLEDGE. THAN TWO DISTANCES (MEASUREMENTS TO WELL)	
DRILLERS LIC. NO. 1 M GD 063 1 GRAVEL PACK 2 25	
DRILLERS SIGNATURE FIN BOX 68 68	
(MUST MATCH SIGNATURE ON APPLICATION) MDE USE ONLY (MOST MORE USE ONLY)	
LIC. NO.1 3 GD OLD T (E.R.O.S.) W Q	o ^{gr} '
Mad Ming 70 72 Godo \	⊛
SITE SUPERVISOR (sign. of driller or journeyman responsible for sitework if different from permittee) TELESCOPE LOG OTHER DATA OTHER DATA	
DENV-CR00 OWNER	

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GALLONS OF WATER DEPTH OF GROUT SEAL (to nearest foot) from	
from 1/28 TOP 52 ft. to 5/24 BOTFOM 58 ft. (enter 0 if from surface) Casing types insert appropriate code below PL L OTT PLASUR (nearest foot) MAIN Nominal diameter depth (feet) inch from to CASING (if used) diameter depth (feet) inch from to CASING content from to CASING content from to CASING content from to CASING content from to CASING content from to CASING (if used) content from the CASING (if used)	
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screen type SCREEN RECORD TYPE OF PUMP INSTALLED	ION
THE OF TOM INCOMEED	
ordeen hole ST BR HO PLACE (A.C. L.R.R.S,T,O) IN BOX 29.	29
(appropriate) BRONZE HOLE CALLOUS DEP MANUELE	
below PL OT (to nearest gallon)	35
PUMP HORSE POWER 37	41
NUMBER OF UNSUCCESSFUL WELLS: DEPTH (nearest ft.) PUMP COLUMN LENGTH (nearest ft.)	77
yes no E 1 CASING HEIGHT (circle appropriate	box
WELL HYDROFRACTURED Y N A 8 9 11 15 17 21 A A A B A B B B A B B B A B B	
CIRCLE APPROPRIATE LETTER A A WELL WAS ABANDONED AND SEALED A WELL WAS ABANDONED AND SEALED S LAND SURFACE S	/m = = = = = = = = = = = = = = = = = = =
WHEN THIS WELL WAS COMPLETED C 3 E ELECTRIC LOG OBTAINED C 3 S 39 41 45 47 51 49 50 51	(nearest) foot)
P TEST WELL CONVERTED TO PRODUCTION E SLOT SIZE 1 2 3 1 LOCATION OF WELL ON LOT	
WELL N SHOW PERMANENT STRUCTURE S ACCORDANCE WITH COMAR 26.04.04 "WELL CONSTRUCTION" AND DIAMETER N N SHOW PERMANENT STRUCTURE S N BUILDING, SEPTIC TANKS, AND /OI	
IN CONFORMANCE WITH ALL CONDITIONS STATED IN THE ABOVE CAPTIONED PERMIT, AND THAT THE INFORMATION PRESENTED OF SCREEN INCH) INCHIEFEN IS ACCURATE AND COMPLETE TO THE BEST OF MY SO THAT THE INFORMATION PRESENTED INCH THAN TWO DISTANCES	
KNOWLEDGE TO THE BEST OF MY from to (MEASUREMENTS TO WELL)	R
DRILLERS LIC. NO. 17 M & D 26 3 1 GRAVEL PACK FOR WELL DRILLED	R
DRILLERS SIGNATURE IF WELL UNILLE WAS FLOWING WELL INSERT F IN BOX 68 68	R
(MUST MATCH SIGNATURE ON APPLICATION) MDE USE ONLY (MOST TO BE FILL ED IN BY DRILLED)	R
LIC. NO. 1 Z D C L O T (E.R.O.S.) W Q	R
Alled Miss 7 70 72	R
SITE SUPERVISOR (sign. of driller or journeyman responsible for sitework if different from permittee) TELESCOPE LOG TOTAL T	R
CASING INDICATOR OTHER DATA	R

C 1 3227 SEQUENCE NO. (MDE USE ONLY)	STATE OF MARYLAND WELL COMPLETION REPORT	THIS REPORT MUST BE SUBMITTED WITHIN 45 DAYS AFTER WELL IS COMPLETED.
1 2 3 6 (THIS NUMBER IS TO BE PUNCHED IN COLS. 3-6 ON ALL CARDS)	FILL IN THIS FORM COMPLETELY PLEASE TYPE	COUNTY NUMBER S37537
ST/CO USE ONLY DATE Received MM DD YY 8 13 DATE WELL COMP	Depth of Well 22 26 (TO NEAREST FOOT)	PERMIT NO. FROM "PERMIT TO DRILL WELL" 28 29 30 31 32 33 34 35 36 37
OWNER Gode 1015 711	first_name	
STREET OR RED COC SUBDIVISION	SECTION TOWN	LOT
WELL LOG	GROUTING RECORD Yes no	C3
Not required for driven wells	WELL HAS BEEN GROUTED (Circle Appropriate Box)	1 2 PUMPING TEST
STATE THE KIND OF FORMATIONS PENETRATED, THEIR COLOR, DEPTH, THICKNESS AND IF WATER BEARING	TYPE OF GROUTING MATERIAL (Circle one) CEMENT CM BENTONITE CLAY BC	HOURS PUMPED (nearest hour)
DESCRIPTION (Use additional sheets if needed) FEOM TO Check water bearing	CEMENT CM BENTONITE CLAY BC	8 9
Com France 2	GALLONS OF WATER DEPTH OF GROUT SEAL (to nearest foot)	PUMPING RATE (gal. per min.) 11 15 METHOD USED TO MEASURE PUMPING RATE
6214	from ft. to ft. to ft. to ft. ft.	WATER LEVEL (distance from land surface)
70 69	(enter 0 if from surface) casing CASING RECORD	BEFORE PUMPING ft.
friday pol	types insert STEL CONCRETE	WHEN PUMPINGft.
and and or	code PL OT	TYPE OF PUMP USED (for test)
	MAIN Nominal diameter Total depth	A air P piston T turbine
1017. rock 68 93	CASING top (main) casing of main casing TYPE (nearest inch)! (nearest foot)	C centrifugal R rotary O (describe below)
	60 61 63 64 66 70	J jet S submersible
	E OTHER CASING (if used) A diameter depth (feet) B inch from to	27 27
	C	PUMP INSTALLED DRILLER INSTALLED PUMP YES NO
	Service N C C C C C C C C C C C C C C C C C C	* (CIRCLE) (YES or NO)
	screen type SCREEN RECORD	MUST BE COMPLETED FOR ALL WELLS. TYPE OF PUMP INSTALLED PLACE (A,C,J,P,R,S,T,O) 29
	insert STEEL BRASS OPEN	IN BOX 29. CAPACITY:
	code below BRONZE HOLE O T OTHER	GALLONS PER MINUTE (to nearest gallon) 31 35
		PUMP HORSE POWER 37 41
NUMBER OF UNSUCCESSFUL WELLS:	DEPTH (nearest ft.)	PUMP COLUMN LENGTH (nearest ft.)
WELL HYDROFRACTURED Yes NO	E 1 8 9 11 15 17 21 C	CASING HEIGHT (circle appropriate box and enter casing height)
CIRCLE APPROPRIATE LETTER A WELL WAS ABANDONED AND SEALED	H 2 H 23 24 26 30 32 36	LAND SURFACE
WHEN THIS WELL WAS COMPLETED E ELECTRIC LOG OBTAINED	C 3 41 45 47 51	below below (nearest) foot)
P TEST WELL CONVERTED TO PRODUCTION WELL	E SLOT SIZE 1 2 3 0	A LOCATION OF WELL ON LOT
I HEREBY CERTIFY THAT THIS WELL HAS BEEN CONSTRUCTED IN ACCORDANCE WITH COMAR 26.04.04 "WELL CONSTRUCTION" AND IN CONFORMANCE WITH ALL CONDITIONS STATED IN THE ABOVE CAPTIONED PERMIT, AND THAT THE INFORMATION PRESENTED HEREIN IS ACCURATE AND COMPLETE TO THE BEST OF MY	DIAMETER (NEAREST OF SCREEN 56 60	SHOW PERMANENT STRUCTURE SUCH AS BUILDING, SEPTIC TANKS, AND /OR LANDMARKS AND INDICATE NOT LESS THAN TWO DISTANCES
KNOWLEDGE.	from to	(MEASUREMENTS TO WELL)
DRILLERS LIC, NO. M & D D & 3 I	GRAVEL PACK IF WELL DRILLED WAS FLOWING WELL	1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1
DRILLERS SIGNATURE (MUST MATCH SIGNATURE ON APPLICATION)	INSERT F IN BOX 68 68 MDE USE ONLY	
LIC. NO.1 IGD COLD	(NOT TO BE FILLED IN BY DRILLER) T (E.R.O.S.) W Q	E 100 100 1
CITE CHEENWOOD (CITE CHEENWOOD)	70	Gude \ \AP®
SITE SUPERVISOR (sign. of driller or journeyman responsible for sitework if different from permittee)	TELESCOPE LOG 74 75 76 CASING INDICATOR OTHER DATA	10 \ (10)
DENIV.CD00	OWNED	